

A

anti-2-5A-Dependent RNase (human) MAb (2E9)

See anti-RNase L (human) MAb (2E9), (Prod. No. ALX-804-581), page 420

4-1BB

See CD137, page 129

4AF DA

[4-Aminofluorescein diacetate]

ALX-620-054-M001 1 mg 270.00

Negative control compound for the fluorescent probes DAF-2 (Prod. No. ALX-620-052, page 159) and DAF-2 DA (Prod. No. ALX-620-056, page 160).

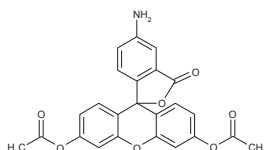
FORMULA: C₂₄H₁₇NO₇

MW: 431.4

PURITY: ≥99%

SHIP: RT

STORE: +4°C

LIT: Direct evidence of NO production in rat hippocampus and cortex using a new fluorescent indicator: DAF-2 DA. H. Kojima, et al.; *Neuroreport* **9**, 3345 (1998)**4E-BP1 (recombinant)**

See PHAS-I (recombinant), (Prod. No. ALX-201-012), page 380

anti-4F2 (human) MAb (UM7F8)

See anti-CD98 (human) MAb (UM7F8), (Prod. No. ANC-319), page 127

6C6-AG Tumor-associated Antigen

See BAP31, page 56

anti-14-3-3 (human) PAb**ALX-210-708-C100** 100 µg 490.00

SOURCE: From rabbit. SHIP: BI STORE: +4°C

REACTIVITY: HUM APPLICATION: WB

17-AAG

[17-(Allylamino)-17-desmethoxygeldanamycin; Allylaminogeldanamycin]

ALX-380-091-C100 100 µg 90.00**ALX-380-091-M001** 1 mg 290.00Less toxic, potent synthetic derivative of geldanamycin (Prod. No. ALX-380-054, page 224) that binds to HSP90 (EC₅₀=7.2µM) and regulates its function by binding to the ATP-binding pocket, thus specifically inhibiting the essential ATPase activity of HSP90. Depletes cancer cells of erbB-1, erbB-2 (EC₅₀=45nM), p53 (mutant) (EC₅₀=62nM), Raf-1 (EC₅₀=80nM) and Akt (PKB), and hence, blocks the Ras/Raf/MEK and PI(3)K signalling pathways. Inhibitor of telomerase activity. Inducer of apoptosis with antitumor activity (IC₅₀=4.1nM in SKBR3 and 5.2nM in MCF7 cells). Down-regulates vascular endothelial growth factor (VEGF) expression in non-small cell lung cancer and enhances paclitaxel (Prod. No. ALX-351-001, page 364)- and doxorubicin (Prod. No. ALX-380-042, page 185)-mediated cytotoxicity.FORMULA: C₃₁H₄₃N₃O₈

MW: 585.7

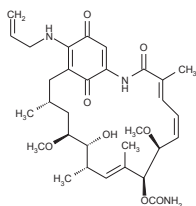
PURITY: ≥97%

CAS: 75747-14-7

SHIP: RT

STORE: -20°C

CAUTION: TOXIC.

LIT: Inhibition of the oncogene product p185erbB-2 in vitro and in vivo by geldanamycin and dihydrogeldanamycin derivatives: R.C. Schnur, et al.; *J. Med. Chem.* **38**, 3806 (1995) ■ The benzoquinone ansamycin 17-allylamino-17-desmethoxygeldanamycin binds to HSP90 and shares important biologic activities with geldanamycin: T.W. Schulte and L.M. Neckers; *Cancer Chemother. Pharmacol.* **42**, 273 (1998) ■ Inhibition of heat shock protein 90 function by ansamycins causes the morphological and functional differentiation of breast cancer cells: P.N. Munster, et al.; *Cancer Res.* **61**, 2945 (2001) ■ Inhibition of telomerase activity by geldanamycin and 17-allylamino, 17-desmethoxygeldanamycin in human melanoma cells: R. Villa, et al.; *Carcinogenesis* **24**, 851 (2003) ■ A high-affinity conformation of Hsp90 confers tumour selectivity on Hsp90 inhibitors: A. Kamal, et al.; *Nature* **425**, 407 (2003)**anti-53BP1 PAb**

NEW !

[Tumor Protein p53 Binding Protein 1 PAb; TP53BP1 PAb; p202 PAb]

ALX-210-419-R050 50 µl 260.00

SOURCE: From rabbit. SHIP: BI STORE: +4°C

REACTIVITY: HUM MOU APPLICATION: ICC IP WB

LIT: Phosphorylation and rapid relocalization of 53BP1 to nuclear foci upon DNA damage: L. Anderson, et al.; *Mol. Cell. Biol.* **21**, 1719 (2001) ■ Kinetochores localisation of the DNA damage response component 53BP1 during mitosis: D. Julien, et al.; *J. Cell Sci.* **115**, 71 (2002)**anti-90K/Mac-2 BP (human) MAb (SP-2)****ALX-801-077-C100** 100 µg 337.00**ALX-801-077F-T100** FITC 100 tests 401.00

CLONE: SP-2 ISOTYPE: Mouse IgG1 SHIP: BI STORE: +4°C

REACTIVITY: HUM APPLICATION: IHC (FS, PS) WB

LIT: Purification and characterization of a 90 kDa protein released from human tumors and tumor cell lines: S. Iacobelli, et al.; *FEBS Lett.* **319**, 59 (1993) ■ The secreted tumor-associated antigen 90K is a potent immune stimulator: A. Ullrich, et al.; *J. Biol. Chem.* **269**, 18401 (1994)**1400W . dihydrochloride**

[N-(3-(Aminomethyl)benzyl)acetamide . 2HCl]

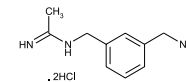
ALX-270-073-M005 5 mg 70.00**ALX-270-073-M025** 25 mg 280.00Highly selective inhibitor of inducible nitric oxide synthase (iNOS/NOS II) *in vitro* and *in vivo*.FORMULA: C₁₀H₁₅N₃ . 2HCl

MW: 177.3 . 73.0

PURITY: ≥98%

SHIP: RT

STORE: +4°C

LIT: 1400W is a slow, tight binding, and highly selective inhibitor of inducible nitric-oxide synthase *in vitro* and *in vivo*: E.P. Garvey, et al.; *J. Biol. Chem.* **272**, 4959 (1997) ■ Selective inhibition of inducible nitric oxide synthase inhibits tumor growth *in vivo*: studies with 1400W, a novel inhibitor: L.L. Thomsen, et al.; *Cancer Res.* **57**, 3300 (1997) ■ Actions of isoform-selective and non-selective nitric oxide synthase inhibitors on endotoxin-induced vascular leakage in rat colon: F. Laszlo & B.J.R. Whittle; *Eur. J. Pharmacol.* **334**, 99 (1997)**4-Amino-(6R)-BH₄ . 2HCl**

See 4-Amino-(6R)-5,6,7,8-tetrahydro-L-biopterin . dihydrochloride, (Prod. No. ALX-440-046), page 32

anti-A1 (mouse) PAb

NEW !

[Bfl-1 (mouse) PAb; Bcl-2-related Protein A1 (mouse) PAb]

ALX-210-001-R050 50 µl 240.00

SOURCE: From rabbit. SHIP: BI STORE: -80°C

REACTIVITY: MOU APPLICATION: WB

Manufactured by Apotech Corporation.

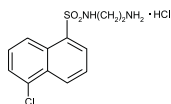
A-3 . hydrochloride

[N-(2-Aminoethyl)-5-chloronaphthalene-1-sulfonamide . HCl]

ALX-270-039-M010 10 mg 90.00**ALX-270-039-M050** 50 mg 360.00

Inhibitor of cAMP- and cGMP-dependent protein kinase (PKA and PKG), protein kinase C (PKC), casein kinase I and II, and myosin light chain kinase.

FORMULA:	C ₁₂ H ₁₃ ClN ₂ O ₂ S · HCl
MW:	284.8 · 36.5
PURITY:	≥98%
SHIP:	RT
STORE:	-20°C



LIT: Naphthalenesulfonamides as calmodulin antagonists and protein kinase inhibitors: M. Inagaki, et al.; Mol. Pharmacol. **29**, 577 (1986)

anti-A20 (human) MAb (8E8.38)

ALX-804-137-C050 50 µg 480.00

CLONE:	ISOTYPE:	SHIP:	STORE:
8E8.38	Mouse IgG1	BI	-20°C

REACTIVITY:	APPLICATION:
HUM	WB

LIT: A20 inhibits NF-kappa B activation downstream of multiple Map3 kinases and interacts with the I kappa B signalosome: F.S. Zetoune, et al.; Cytokine **15**, 282 (2001)
Manufactured by Apotech Corporation.

anti-A20-Binding Inhibitor of NF-κB 2 PAB

See anti-ABIN-2 PAB, (Prod. No. ALX-210-370), page 4

A-9145

See Sinefungin, (Prod. No. ALX-380-070), page 430

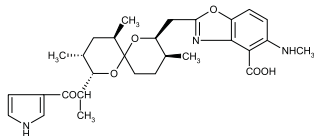
A23187 (free acid)

[Calcium Ionophore A23187; Calcimycin; Antibiotic A23187]

ALX-450-001-M001	1 mg	32.00
ALX-450-001-5001	5x 1 mg	125.00
ALX-450-001-M005	5 mg	105.00
ALX-450-001-M010	10 mg	160.00
ALX-450-001-M025	25 mg	295.00
ALX-450-001-M050	50 mg	485.00

Calcium ionophore. Isolated from *Streptomyces chartreusis*.

FORMULA:	C ₂₉ H ₃₇ N ₃ O ₆
MW:	523.6
PURITY:	≥98%
CAS:	52665-69-7
MI:	13: 1639
SHIP:	RT
STORE:	+4°C
CAUTION:	TOXIC.

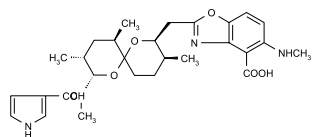


A23187 (Mixed Calcium-Magnesium Salt)

ALX-450-002-M005	5 mg	90.00
ALX-450-002-M010	10 mg	150.00
ALX-450-002-M050	50 mg	450.00

Used in cell activation experiments when calcium dose-response data are not required. Semisynthetic.

PURITY:	≥98% (molar ratio Ca:Mg ~1:1)
SHIP:	RT
STORE:	+4°C
CAUTION:	TOXIC.



A23187, 4-Bromo-

See 4-Bromo-A23187, (Prod. No. ALX-450-003), page 73

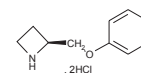
A-85380 . dihydrochloride

[3-(2(S)-Azetidinylmethoxy)pyridine · 2HCl]

ALX-550-115-M001	1 mg	70.00
ALX-550-115-M005	5 mg	280.00

Potent and selective neuronal nicotinic acetylcholine receptor agonist.

FORMULA:	C ₉ H ₁₂ N ₂ O · 2HCl
MW:	164.2 · 73.0
PURITY:	≥98%
SHIP:	RT
STORE:	+4°C



LIT: Novel 3-Pyridyl ethers with subnanomolar affinity for central neuronal nicotinic acetylcholine receptors: M.A. Abreo, et al.; J. Med. Chem. **39**, 817 (1996) ■ A-85380 [3-(2(S)-azetidinylmethoxy) pyridine]: in vitro pharmacological properties of a novel, high affinity alpha 4 beta 2 nicotinic acetylcholine receptor ligand: J.P. Sullivan, et al.; Neuropharmacology **35**, 725 (1996)

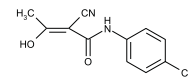
A77 1726

[N-(4-Trifluoromethylphenyl)-2-cyano-3-hydroxycrotonamide; 2-Cyano-3-hydroxy-N-[4-(trifluoromethyl)phenyl]-2-butenamide]

ALX-430-096-M005	5 mg	75.00
ALX-430-096-M025	25 mg	280.00

Physiologically active metabolite of the immunosuppressive drug leflunomide (Prod. No. ALX-430-095, page 290). Inhibits the activity of dihydroorotate dehydrogenase and of protein tyrosine kinases. Blocks TNF-mediated NF-κB activation in a dose- and time-dependent manner. Also inhibits the activity of cyclooxygenase-2 (COX-2) *in vitro* and *in vivo*.

FORMULA:	C ₁₂ H ₉ F ₃ N ₂ O ₂
MW:	270.2
PURITY:	≥98%
CAS:	108605-62-5
SHIP:	RT
STORE:	+4°C



LIT: Inhibition of the epidermal growth factor receptor tyrosine kinase activity by leflunomide: T. Mattar, et al.; FEBS Lett. **334**, 161 (1993) ■ Two activities of the immunosuppressive metabolite of leflunomide, A77 1726. Inhibition of pyrimidine nucleotide synthesis and protein tyrosine phosphorylation: X. Xu, et al.; Biochem. Pharmacol. **52**, 527 (1996) ■ In vivo mechanism by which leflunomide controls lymphoproliferative and autoimmune disease in MRL(Mp)-lpr/lpr mice: X. Xu, et al.; J. Immunol. **159**, 167 (1997)

AA

See Anacardic acid, (Prod. No. ALX-270-381), page 36

AACOCF₃

See Arachidonyl trifluoromethylketone, (Prod. No. ALX-340-001), page 46

AA-DA

See N-Arachidonoyldopamine, (Prod. No. ALX-340-049), page 45

AA-5HT

See Arachidonoyl serotonin, (Prod. No. ALX-340-060), page 46

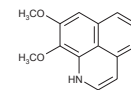
Aaptamine

[8,9-Dimethoxy-1H-benzo[de][1,6]naphthyridine]

ALX-350-104-M001	1 mg	125.00
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Competitive antagonist of α-adrenoceptors in vascular smooth muscle cells. Isolated from the sponge *Aaptos aaptos*.

FORMULA:	C ₁₃ H ₁₂ N ₂ O ₂
MW:	228.3
PURITY:	≥97%
CAS:	85547-22-4
SHIP:	RT
STORE:	-20°C
CAUTION:	TOXIC.



LIT: Alpha-adrenoceptor blocking action of aaptamine, a novel marine natural product, in vascular smooth muscle: Y. Ohizumi, et al.; J. Pharm. Pharmacol. **36**, 785 (1984)

A

ABCB1

See P-glycoprotein, page 378

ABCB4

See MDR3 P-glycoprotein, page 304

ABCB11

See BSEP, page 76

ABCC1

See MRP1, page 322

ABCC2

See MRP2, page 323

ABCC3

See MRP3, page 323

ABCC4

See MRP4, page 324

ABCC5

See MRP5, page 324

ABCC6

See MRP6, page 324

ABCC7

See CFTR, page 136

ABCD3

See Peroxisomal Membrane Protein 70, page 377

ABCG2

See Breast Cancer Resistance Protein, page 72

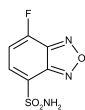
ABD-F

[4-Fluoro-7-sulfoamoylbenzofurazan]

ALX-620-029-M010	10 mg	160.00
ALX-620-029-M050	50 mg	480.00

Highly reactive fluorogenic reagent for labelling thiol compounds. Selectively labels protein cysteine residues without side chain modification or N-terminal blockage.

FORMULA:	C ₆ H ₄ FN ₃ O ₃ S
MW:	217.2
PURITY:	≥99%
CAS:	91366-65-3
SHIP:	RT
STORE:	-20°C



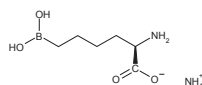
LIT: New Fluorogenic Reagent Having Halogenobenzofurazan Structure for Thiols: 4-(Aminosulfonyl)-7-fluoro-2,1,3-benzoxadiazole: T. Toyooka and K. Imai; Anal. Chem. **56**, 2461 (1984) ■ Isolation and characterization of cysteine-containing regions of proteins using 4-(aminosulfonyl)-7-fluoro-2,1,3-benzoxadiazole and high-performance liquid chromatography: T. Toyooka and K. Imai; Anal. Chem. **57**, 1931 (1985)

ABH**NEW !**

[2(S)-Amino-6-borohexanoic acid]

ALX-270-420-M001	1 mg	75.00
ALX-270-420-M005	5 mg	300.00

Potent and specific inhibitor of arginase. Does not inhibit NO synthases.



LIT: Biochemical and functional profile of a newly developed potent and isozyme-selective arginase inhibitor: R. Baggio, et al.; J. Pharmacol. Exp. Ther. **290**, 1409 (1999)

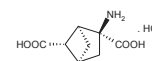
ABHxD-I . hydrochloride

[(1S,2S,4S,5S)-2-Aminobicyclo[2.1.1]hexene-2,5-dicarboxylic acid . HCl]

ALX-550-221-MC05	0.5 mg	95.00
ALX-550-221-M001	1 mg	140.00

Conformationally restricted ACPD analog. Potent mGluR ligand with similar selectivity and potency to glutamate but without ionotropic activity. Neuroprotective.

FORMULA:	C ₈ H ₁₁ NO ₄ . HCl
MW:	185.2 . 36.5
PURITY:	≥96%
SHIP:	RT
STORE:	-20°C



LIT: Synthesis and biology of the conformationally restricted ACPD analogue, 2-aminobicyclo[2.1.1]hexane-2,5-dicarboxylic acid-I, a potent mGluR agonist: A.P. Kozikowski, et al.; J. Med. Chem. **41**, 1641 (1998)

anti-ABIN-2 PAb**NEW !**

[A20-Binding Inhibitor of NF-κB 2 PAb]

ALX-210-370-C100	100 µg	379.00
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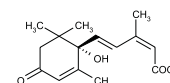
SOURCE:	From rabbit.	SHIP:	BI	STORE:	-20°C
REACTIVITY:		APPLICATION:			
HUM	MOU	WB			

(+)-cis,trans-Abscisic acid

ALX-350-255-C500	500 µg	180.00
ALX-350-255-M001	1 mg	300.00
ALX-350-255-M005	5 mg	1200.00

Natural and active isomer of the abscission accelerating plant hormone. Regulates seed maturation and germination and mediates the plant response to environmental stress. Isolated from *Curvularia lunata*.

FORMULA:	C ₁₅ H ₂₀ O ₄
MW:	264.3
PURITY:	≥97%
CAS:	21293-29-8
MI:	13: 9
SHIP:	BI
STORE:	-20°C

**ABSOLUTE-S™ Kit**

ALX-850-043-KI01	1 Kit	990.00
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The kit utilizes the SBIP™ (strand break induced photolysis) methodology in which cells are irradiated with UV light to induce strand breaks. Does not require DNA denaturation and, therefore, is applicable in studies where preservation of antigens or other features of the cells is desired.

QUANTITY:	50 assays.	SHIP:	DI	STORE:	-20°C
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LIT: Detection of 5-bromo-2-deoxyuridine incorporated into DNA by labeling strand breaks induced by photolysis (SBIP): X. Li, et al.; Int. J. Oncol. **4**, 1157 (1994) ■ Detection of apoptosis and DNA replication by differential labeling of DNA strand breaks with fluorochromes of different color: X. Li, et al.; Exp. Cell. Res. **222**, 28 (1996)

Manufactured by Phoenix Flow Systems.

Ac-AAVALLPAVLLALLAPDEVD-CHO

[Caspase-3 Inhibitor (Aldehyde)]

Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Pro-Asp-Glu-Val-Asp-CHO

ALX-260-046-M001	1 mg	110.00
ALX-260-046-M005	5 mg	440.00

Reversible, cell permeable inhibitor of caspase-3. Also inhibits caspase-6, -7, -8 and -10.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₉₄ H ₁₅₈ N ₂₀ O ₂₇	2000.5	≥95% (HPLC)	RT	-20°C

Ac-AAVALLPAVLLALLAPYVAD-CHO

[Caspase-1 Inhibitor (Aldehyde)]

Ac-Ala-Ala-Val-Ala-Leu-Leu-Pro-Ala-Val-Leu-Leu-Ala-Leu-Leu-Ala-Pro-Tyr-Val-Ala-Asp-CHO

ALX-260-047-M001	1 mg	110.00
ALX-260-047-M005	5 mg	440.00

Reversible, cell permeable inhibitor of caspase-1.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₉₇ H ₁₆₀ N ₂₀ O ₂₄	1990.5	≥99% (HPLC)	RT	-20°C

Ac-AEVD-CHO

[Caspase-10 Inhibitor (Aldehyde)]

Z-Ala-Glu-Val-Asp-aldehyde

ALX-260-158-M001	1 mg	90.00
ALX-260-158-M005	5 mg	360.00

Inhibitor of caspase-10. Also inhibits caspase-6 and -8.

FORMULA:	MW:	SHIP:	STORE:
C ₁₉ H ₃₀ N ₄ O ₉	458.5	BI	-20°C

Ac-AEVD-AFC

[Caspase-6 Substrate (Fluorogenic); Caspase-8 Substrate (Fluorogenic)]

Ac-Ala-Glu-Val-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-114-M005	5 mg	290.00
ALX-260-114-M010	10 mg	550.00

Fluorogenic substrate for caspase-6 and -8.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₉ H ₃₄ F ₃ N ₅ O ₁₁	685.6	≥97% (HPLC)	RT	-20°C

Ac-DEVD-AFC

[Caspase-3 Substrate (Fluorogenic)]

Ac-Asp-Glu-Val-Asp-AFC (AFC = 7-Amino-4-trifluoromethylcoumarin)

ALX-260-032-M001	1 mg	83.00
ALX-260-032-M005	5 mg	245.00

Fluorogenic substrate for caspase-3. Also a substrate for caspase-1, -4 and -7. This product is similar to Ac-DEVD-AMC (Prod. No. ALX-260-031, page 5) but the AFC fluorophore has a greater Stokes' shift upon cleavage.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₀ H ₃₄ F ₃ N ₅ O ₁₃	729.6	≥96% (HPLC)	RT	-20°C

Ac-DEVD-AMC

[Caspase-3 Substrate (Fluorogenic)]

Ac-Asp-Glu-Val-Asp-AMC (AMC = 7-Amino-4-methylcoumarin)

ALX-260-031-M001	1 mg	53.00
ALX-260-031-M005	5 mg	155.00

Fluorogenic substrate for caspase-3. Also a substrate for caspase-1, -4, -7 and -8. The peptide sequence is based on the PARP cleavage site Asp²¹⁶ for caspase-3.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₀ H ₃₇ N ₅ O ₁₃	675.7	≥97% (HPLC)	RT	-20°C

Ac-DEVD-CHO

[Caspase-3 Inhibitor (Aldehyde); Caspase-7 Inhibitor (Aldehyde)]

Ac-Asp-Glu-Val-Asp-CHO

ALX-260-030-M001	1 mg	73.00
ALX-260-030-M005	5 mg	285.00

Reversible inhibitor of caspase-3 and -7.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₀ H ₃₀ N ₄ O ₁₁	502.5	≥96% (HPLC)	RT	-20°C

Ac-DEVD-pNA

[Caspase-3 Substrate (Chromogenic)]

Ac-Asp-Glu-Val-Asp-pNA (pNA = p-Nitroaniline)

ALX-260-033-M001	1 mg	38.00
ALX-260-033-M005	5 mg	100.00

Chromogenic substrate for caspase-3. Also a substrate for caspase-1, -4 and -7.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₆ H ₃₄ N ₆ O ₁₃	638.6	≥97% (HPLC)	RT	-20°C

Ac-DMQD-AMC

[Caspase-3 Substrate (Fluorogenic)]

Ac-Asp-Met-Gln-Asp-AMC (AMC=7-Amido-4-methylcoumarin)

ALX-260-078-M001	1 mg	63.00
ALX-260-078-M005	5 mg	245.00

Fluorogenic substrate for caspase-3.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₀ H ₃₈ N ₆ O ₁₂ S	706.7	≥99% (HPLC)	RT	-20°C

Ac-DMQD-CHO

[Caspase-3 Inhibitor (Aldehyde)]

Ac-Asp-Met-Gln-Asp-CHO

ALX-260-077-M001	1 mg	93.00
ALX-260-077-M005	5 mg	365.00

Reversible inhibitor of caspase-3. Together with the caspase-6 inhibitor Ac-VEID-CHO (Prod. No. ALX-260-062, page 8) this inhibitor has been used to dissect the pathway of caspase activation in Fas-stimulated Jurkat cells.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₀ H ₃₁ N ₅ O ₁₀ S	533.6	≥96% (HPLC)	RT	-20°C

Ac-DQMD-AFC

[Caspase-3 Substrate (Fluorogenic); Caspase-6 Substrate (Fluorogenic)]

Ac-Asp-Gln-Met-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-113-M005	5 mg	290.00
ALX-260-113-M010	10 mg	550.00

Fluorogenic substrate for caspase-3 and -6.

FORMULA:	MW:	SHIP:	STORE:
C ₃₀ H ₃₅ F ₃ N ₆ O ₁₂ S	760.7	RT	-20°C

Ac-ESMD-CHO

[Caspase-8 / Caspase-3 Processing Enzyme Inhibitor (Aldehyde); Granzyme B Inhibitor (Aldehyde)]

Ac-Glu-Ser-Met-Asp-CHO

ALX-260-056-M001	1 mg	93.00
ALX-260-056-M005	5 mg	385.00

Reversible inhibitor of caspase-8 / caspase-3 processing enzyme and granzyme B. Also inhibits caspase-6 and -10. The peptide sequence corresponds to one of the cleavage sites of the inactive 32kDa caspase-3 precursor (aa 25-28). It blocks the formation of the p17 subunit and concomitantly induces the accumulation of the p20 peptide.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₁₉ H ₃₀ N ₄ O ₁₀ S	506.5	≥99% (HPLC)	RT	-20°C

Ac-IEPD-AFC

[Caspase-8 / Caspase-3 Processing Enzyme Substrate (Fluorogenic); Granzyme B Substrate (Fluorogenic)]

Ac-Ile-Glu-Pro-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-115-M005	5 mg	290.00
ALX-260-115-M010	10 mg	550.00

Fluorogenic substrate for caspase-8 / caspase-3 processing enzyme and granzyme B.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₂ H ₃₈ F ₃ N ₅ O ₁₁	725.7	≥98% (HPLC)	RT	-20°C

A

Ac-IEPD-AMC

[Caspase-8/Caspase-3 Processing Enzyme Substrate (Fluorogenic); Granzyme B Substrate (Fluorogenic)]

Ac-Ile-Glu-Pro-Asp-AMC (AMC=7-Amino-4-methylcoumarin)

ALX-260-151-M001	1 mg	120.00
ALX-260-151-M005	5 mg	360.00

Fluorogenic substrate for caspase-8/caspase-3 processing enzyme and granzyme B.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₂ H ₄₁ N ₅ O ₁₁	671.7	≥98% (HPLC)	RT	-20°C

Ac-IEPD-pNA

[Caspase-8/Caspase-3 Processing Enzyme Substrate (Chromogenic); Granzyme B Substrate (Chromogenic)]

Ac-Ile-Glu-Pro-Asp-pNA (pNA=p-Nitroaniline)

ALX-260-152-M001	1 mg	110.00
ALX-260-152-M005	5 mg	330.00

Chromogenic substrate for caspase-8/caspase-3 processing enzyme and granzyme B.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₈ H ₃₈ N ₆ O ₁₁	634.6		RT	-20°C

Ac-IETD-AFC

[Caspase-8/Caspase-3 Processing Enzyme Substrate (Fluorogenic); Granzyme B Substrate (Fluorogenic)]

Ac-Ile-Glu-Thr-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-110-M005	5 mg	290.00
ALX-260-110-M010	10 mg	550.00

Fluorogenic substrate for caspase-8/caspase-3 processing enzyme and granzyme B. Also a substrate for caspase-10.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₁ H ₃₈ F ₃ N ₅ O ₁₂	729.7	≥98% (HPLC)	RT	-20°C

Ac-IETD-AMC

[Caspase-8/Caspase-3 Processing Enzyme Substrate (Fluorogenic); Granzyme B Substrate (Fluorogenic)]

Ac-Ile-Glu-Thr-Asp-AMC (AMC=7-Amino-4-methylcoumarin)

ALX-260-042-M001	1 mg	73.00
ALX-260-042-M005	5 mg	285.00

Fluorogenic substrate for caspase-8/caspase-3 processing enzyme and granzyme B. Also a substrate for caspase-10.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₁ H ₄₁ N ₅ O ₁₂	675.7	98% (HPLC)	RT	-20°C

Ac-IETD-CHO

[Caspase-8/Caspase-3 Processing Enzyme Inhibitor (Aldehyde); Granzyme B Inhibitor (Aldehyde)]

Ac-Ile-Glu-Thr-Asp-CHO

ALX-260-043-M001	1 mg	98.00
ALX-260-043-M005	5 mg	385.00

Reversible inhibitor of caspase-8/caspase-3 processing enzyme and granzyme B. Also inhibits caspase-10.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₁ H ₃₄ N ₄ O ₁₀	502.5	≥97% (HPLC)	RT	-20°C

Ac-IETD-pNA

[Caspase-8/Caspase-3 Processing Enzyme Substrate (Chromogenic); Granzyme B Substrate (Chromogenic)]

Ac-Ile-Glu-Thr-Asp-pNA (pNA=p-Nitroaniline)

ALX-260-045-M001	1 mg	43.00
ALX-260-045-M005	5 mg	145.00

Chromogenic substrate for caspase-8/caspase-3 processing enzyme and granzyme B. Also a substrate for caspase-10.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₇ H ₃₈ N ₆ O ₁₂	638.6	98% (HPLC)	RT	-20°C

Ac-LDESD-CHO**NEW !**

[Caspase-2 Inhibitor (Aldehyde)]

Ac-Leu-Asp-Glu-Ser-Asp-CHO

ALX-260-160-M001	1 mg	80.00
ALX-260-160-M005	5 mg	320.00

Reversible inhibitor of caspase-2.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₄ H ₃₇ N ₅ O ₁₃	603.6	≥95% (by HPLC)	RT	-20°C

Ac-LEHD-AFC

[Caspase-9 Substrate (Fluorogenic)]

Ac-Leu-Glu-His-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-116-M005	5 mg	290.00
ALX-260-116-M010	10 mg	550.00

Fluorogenic substrate for caspase-9.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₃ H ₃₈ F ₃ N ₇ O ₁₁	765.7	≥98% (HPLC)	RT	-20°C

Ac-LEHD-AMC

[Caspase-9 Substrate (Fluorogenic)]

Ac-Leu-Glu-His-Asp-AMC (AMC=7-Amino-4-methylcoumarin)

ALX-260-080-M001	1 mg	63.00
ALX-260-080-M005	5 mg	245.00

Fluorogenic substrate for caspase-9.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₃ H ₄₁ N ₇ O ₁₁	711.7	≥98%	RT	-20°C

Ac-LEHD-CHO

[Caspase-9 Inhibitor (Aldehyde)]

Ac-Leu-Glu-His-Asp-CHO

ALX-260-079-M001	1 mg	93.00
ALX-260-079-M005	5 mg	365.00

Reversible inhibitor of caspase-9.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₃ H ₃₄ N ₆ O ₉	538.6	≥95%	RT	-20°C

Ac-LEHD-pNA

[Caspase-9 Substrate (Chromogenic)]

Ac-Leu-Glu-His-Asp-pNA (pNA = p-Nitroaniline)

ALX-260-081-M001	1 mg	53.00
ALX-260-081-M005	5 mg	205.00

Chromogenic substrate for caspase-9.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₉ H ₃₈ N ₈ O ₁₁	674.7	≥99%	RT	-20°C

Ac-LETD-AFC

[Caspase-8/Caspase-3 Processing Enzyme Substrate (Fluorogenic)]

Ac-Leu-Glu-Thr-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-118-M005	5 mg	290.00
ALX-260-118-M010	10 mg	550.00

Fluorogenic substrate for caspase-8/caspase-3 processing enzyme.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₁ H ₃₈ F ₃ N ₅ O ₁₂	729.7	≥97% (HPLC)	RT	-20°C

Ac-LEVD-AFC

[Caspase-4 Substrate (Fluorogenic)]

Ac-Leu-Glu-Val-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-084-M001	1 mg	53.00
ALX-260-084-M005	5 mg	205.00

Fluorogenic substrate for caspase-4. Similar to the fluorogenic substrate Ac-LEVD-AMC (Prod. No. ALX-260-083, page 7); the AFC fluorophore is more sensitive.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₂ H ₄₀ F ₃ N ₅ O ₁₁	727.7	≥99% (HPLC)	RT	-20°C

Ac-LEVD-AMC

[Caspase-4 Substrate (Fluorogenic)]

Ac-Leu-Glu-Val-Asp-AMC (AMC=7-Amino-4-methylcoumarin)

ALX-260-083-M001	1 mg	63.00
ALX-260-083-M005	5 mg	245.00

Fluorogenic substrate for caspase-4.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₂ H ₄₃ N ₅ O ₁₁	673.7	≥99% (HPLC)	RT	-20°C

Ac-LEVD-CHO

[Caspase-4 Inhibitor (Aldehyde)]

Ac-Leu-Glu-Val-Asp-CHO

ALX-260-065-M001	1 mg	93.00
ALX-260-065-M005	5 mg	365.00

Reversible inhibitor of caspase-4. Also inhibits caspase-5.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₂ H ₃₆ N ₄ O ₉	500.6	≥95% (HPLC)	RT	-20°C

Ac-LEVD-pNA

[Caspase-4 Substrate (Chromogenic)]

Ac-Leu-Glu-Val-Asp-pNA (pNA=p-Nitroaniline)

ALX-260-061-M001	1 mg	53.00
ALX-260-061-M005	5 mg	205.00

Chromogenic substrate for caspase-4.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₈ H ₄₀ N ₆ O ₁₁	636.7	≥99% (HPLC)	RT	-20°C

Ac-LLM-CHO

See Calpain Inhibitor II, (Prod. No. ALX-260-038), page 84

Ac-LL-Norleucinal

See Calpain Inhibitor I, (Prod. No. ALX-260-037), page 83

Ac-TQTD-AFC**NEW !**

[DRONC Substrate II (Fluorogenic); Drosophila Caspase Substrate II (Fluorogenic)]

Ac-Thr-Gln-Thr-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-161-M001	1 mg	60.00
ALX-260-161-M005	5 mg	240.00

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₉ H ₃₅ F ₃ N ₆ O ₁₂	716.6	≥95% (HPLC)	RT	-20°C

Ac-VAD-AFC

[Caspase Substrate (Fluorogenic) (all Caspases)]

Ac-Val-Ala-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-109-M005	5 mg	290.00
ALX-260-109-M010	10 mg	550.00

Fluorogenic substrate for all caspases.

FORMULA:	MW:	SHIP:	STORE:
C ₂₄ H ₂₇ F ₃ N ₄ O ₈	556.5	RT	-20°C

Ac-VDVAD-AFC

[Caspase-2 Substrate (Fluorogenic)]

Ac-Val-Asp-Val-Ala-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-112-M005	5 mg	330.00
ALX-260-112-M010	10 mg	600.00

Fluorogenic substrate for caspase-2.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₃ H ₄₁ F ₃ N ₆ O ₁₂	770.7	≥98% (HPLC)	RT	-20°C

Ac-VDVAD-AMC

[Caspase-2 Substrate (Fluorogenic)]

Ac-Val-Asp-Val-Ala-Asp-AMC (AMC=7-Amino-4-methylcoumarin)

ALX-260-060-M001	1 mg	63.00
ALX-260-060-M005	5 mg	245.00

Fluorogenic substrate for caspase-2.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₃ H ₄₄ N ₆ O ₁₂	716.8	≥98% (HPLC)	RT	-20°C

Ac-VDVAD-CHO

[Caspase-2 Inhibitor (Aldehyde)]

Ac-Val-Asp-Val-Ala-Asp-CHO

ALX-260-058-M001	1 mg	93.00
ALX-260-058-M005	5 mg	365.00

Reversible inhibitor of caspase-2.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₃ H ₃₇ N ₅ O ₁₀	543.6	≥94% (HPLC)	RT	-20°C

Ac-VDVAD-pNA

[Caspase-2 Substrate (Chromogenic)]

Ac-Val-Asp-Val-Ala-Asp-pNA (pNA=p-Nitroaniline)

ALX-260-059-M001	1 mg	58.00
ALX-260-059-M005	5 mg	170.00

Chromogenic substrate for caspase-2.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₉ H ₄₁ N ₇ O ₁₂	679.7	≥99%	RT	-20°C

Ac-VEID-AFC

[Caspase-6 Substrate (Fluorogenic)]

Ac-Val-Glu-Ile-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-111-M005	5 mg	290.00
ALX-260-111-M010	10 mg	550.00

Fluorogenic substrate for caspase-6.

FORMULA:	MW:	SHIP:	STORE:
C ₃₂ H ₄₀ F ₃ N ₅ O ₁₁	727.7	RT	-20°C

Ac-VEID-AMC

[Caspase-6 Substrate (Fluorogenic)]

Ac-Val-Glu-Ile-Asp-AMC (AMC=7-Amino-4-methylcoumarin)

ALX-260-064-M001	1 mg	53.00
ALX-260-064-M005	5 mg	205.00

Fluorogenic substrate for caspase-6.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₂ H ₄₃ N ₅ O ₁₁	673.8	≥98% (HPLC)	RT	-20°C

A

Ac-VEID-CHO

[Caspase-6 Inhibitor (Aldehyde)]

Ac-Val-Glu-Ile-Asp-CHO

ALX-260-062-M001	1 mg	123.00
ALX-260-062-M005	5 mg	365.00

Reversible inhibitor of caspase-6. Also inhibits caspase-8 and -10.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₇ H ₃₆ N ₄ O ₉	500.6	≥98% (HPLC)	RT	-20°C

Ac-VEID-pNA

[Caspase-6 Substrate (Chromogenic)]

Ac-Val-Glu-Ile-Asp-pNA (pNA=p-Nitroaniline)

ALX-260-063-M001	1 mg	43.00
ALX-260-063-M005	5 mg	165.00

Chromogenic substrate for caspase-6.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₈ H ₄₀ N ₆ O ₁₁	636.7	≥98% (HPLC)	RT	-20°C

Ac-WEHD-AFC

[Caspase-1 Substrate (Fluorogenic); Caspase-5 Substrate (Fluorogenic)]

Ac-Trp-Glu-His-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-117-M005	5 mg	290.00
ALX-260-117-M010	10 mg	550.00

Fluorogenic substrate for caspase-1 and -5. Also a substrate for caspase-4.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₈ H ₃₇ F ₃ N ₈ O ₁₁	838.8	≥98% (HPLC)	RT	-20°C

Ac-WEHD-AMC

[Caspase-1 Substrate (Fluorogenic); Caspase-5 Substrate (Fluorogenic)]

Ac-Trp-Glu-His-Asp-AMC (AMC=7-Amino-4-methylcoumarin)

ALX-260-057-M001	1 mg	63.00
ALX-260-057-M005	5 mg	245.00

Fluorogenic substrate for caspase-1 and -5. Also a substrate for caspase-4. This fluorogenic caspase-1 substrate with an optimal tetrapeptide sequence is cleaved 50-fold more efficiently than Ac-YVAD-AMC (Prod. No. ALX-260-024, page 8).

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₈ H ₄₀ N ₈ O ₁₁	784.8	≥99% (HPLC)	RT	-20°C

Ac-WEHD-CHO

[Caspase-1 Inhibitor (Aldehyde); Caspase-5 Inhibitor (Aldehyde)]

Ac-Trp-Glu-His-Asp-CHO

ALX-260-055-M001	1 mg	148.00
ALX-260-055-M005	5 mg	585.00

Reversible, cell permeable inhibitor of caspase-1 and -5. Also inhibits caspase-4.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₈ H ₃₃ N ₇ O ₉	611.6	≥90% (HPLC)	RT	-20°C

Ac-WEHD-pNA

[Caspase-1 Substrate (Chromogenic); Caspase-5 Substrate (Chromogenic)]

Ac-Trp-Glu-His-Asp-pNA (pNA=p-Nitroaniline)

ALX-260-082-M001	1 mg	43.00
ALX-260-082-M005	5 mg	165.00

Chromogenic substrate for caspase-1 and -5. Also a substrate for caspase-4.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₄ H ₃₇ N ₉ O ₁₁	747.7	≥98% (HPLC)	RT	-20°C

Ac-YVAD-AFC

[Caspase-1 Substrate (Fluorogenic); Caspase-4 Substrate (Fluorogenic)]

Ac-Tyr-Val-Ala-Asp-AFC (AFC=7-Amino-4-trifluoromethylcoumarin)

ALX-260-108-M005	5 mg	270.00
ALX-260-108-M010	10 mg	500.00

Fluorogenic substrate for caspase-1 and -4.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₃ H ₃₆ F ₃ N ₅ O ₁₀	719.7	≥99% (HPLC)	RT	-20°C

Ac-YVAD-AMC

[Caspase-1 Substrate (Fluorogenic)]

Ac-Tyr-Val-Ala-Asp-AMC (AMC = 7-Amino-4-methylcoumarin)

ALX-260-024-M001	1 mg	58.00
ALX-260-024-M005	5 mg	170.00

Fluorogenic substrate for caspase-1.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₃ H ₃₉ N ₅ O ₁₀	665.7	≥99% (HPLC)	RT	-20°C

Ac-YVAD-CHO

[Caspase-1 Inhibitor (Aldehyde)]

Ac-Tyr-Val-Ala-Asp-CHO

ALX-260-027-M001	1 mg	68.00
ALX-260-027-M005	5 mg	260.00

Potent and reversible inhibitor of caspase-1. Also inhibits caspase-4. Strongly inhibits anti-Fas induced apoptosis in L929-Fas cells.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₃ H ₃₂ N ₄ O ₈	492.5	≥96% (HPLC)	RT	-20°C

Ac-YVAD-CMK

[Caspase-1 Inhibitor (Chloromethylketone)]

Ac-Tyr-Val-Ala-Asp-chloromethylketone

ALX-260-028-M001	1 mg	68.00
ALX-260-028-M005	5 mg	265.00

Irreversible, cell permeable inhibitor of caspase-1. Also inhibits caspase-4. Inhibits Fas-mediated apoptosis.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₄ H ₃₃ N ₄ O ₈ Cl	541.0	≥97% (HPLC)	RT	-20°C

Ac-YVAD-2,6-dimethylbenzoyloxymethylketone

[Caspase-1 Inhibitor]

Ac-Tyr-Val-Ala-Asp-2,6-dimethylbenzoyloxymethylketone

ALX-260-016-M001	1 mg	120.00
ALX-260-016-M005	5 mg	480.00

Irreversible, cell permeable inhibitor of caspase-1. Also inhibits caspase-4.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₃ H ₄₂ N ₄ O ₁₀	654.7	≥95% (HPLC)	RT	-20°C

Ac-YVAD-pNA

[Caspase-1 Substrate (Chromogenic)]

Ac-Tyr-Val-Ala-Asp-pNA (pNA=p-Nitroaniline)

ALX-260-026-M001	1 mg	43.00
ALX-260-026-M005	5 mg	100.00

Chromogenic substrate for caspase-1.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₂₉ H ₃₆ N ₆ O ₁₀	628.6	≥99% (HPLC)	RT	-20°C

cis-ACBDSee 1-Aminocyclobutane-*cis*-1,3-dicarboxylic acid, (Prod. No. ALX-550-013), page 27**trans-ACBD**See 1-Aminocyclobutane-*trans*-1,3-dicarboxylic acid, (Prod. No. ALX-550-073), page 27

ACEA

See Arachidonoyl 2'-chloroethylamide, (Prod. No. ALX-340-053), page 45

ACEA-1021

See 5-Nitro-6,7-dichloro-1,4-dihydro-2,3-quinoxalinedione, (Prod. No. ALX-550-228), page 344

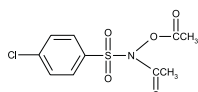
1-Acetoxy-3-carbamoyl-2,2,5,5-tetramethylpyrrolidine

See ACP, (Prod. No. ALX-430-118), page 11

N-Acetyl-N-acetoxy-4-chlorobenzenesulphonamide**ALX-430-021-M005** 5 mg 50.00

Nitroxyl (HNO) releasing compound in neutral solution. Release of nitric oxide was not detected. Potent vasorelaxant. Powerful inhibitor of aldehyde dehydrogenase.

FORMULA:	C ₁₀ H ₁₀ ClNO ₅ S
MW:	291.7
PURITY:	≥98%
SHIP:	RT
STORE:	+4°C



LIT: Prodrugs of nitroxyl as inhibitors of aldehyde dehydrogenase: M.J.C. Lee, et al.; J. Med. Chem. **35**, 3648 (1992) ■ N,O-diacetylated-N-hydroxyarylsulfonamides: nitroxyl precursors with potent smooth muscle relaxant properties: J.M. Fukuto, et al.; BBRC **187**, 1367 (1992)

N-Acetyl-[Ala^{11,15}]-Endothelin-1 (6-21)See ET_B-Receptor Agonist [BQ-3020], (Prod. No. ALX-155-015), page 199**5-Acetyl-amino-3,5-dideoxy-D-glycero-D-galacto-2-nonulosonic acid**

See N-Acetylneuraminic acid, (Prod. No. ALX-305-010), page 11

N-Acetyl-Asp-Glu-OH

[α-NAAG; Spaglumic acid]

ALX-151-020-M010 10 mg 60.00**ALX-151-020-M050** 50 mg 240.00

Endogenous neurotransmitter with high affinity for the brain glutamate receptor. N-acetylated α-linked acidic dipeptidase (NAALADase), a membrane-bound peptidase, hydrolyzes α-NAAG, a major brain peptide, to N-acetylaspartate and glutamate. Discriminates between mGluR2 and mGluR3. mGluR3 activator. NMDA receptor antagonist. Neuroprotective.

FORMULA:	MW:	PURITY:	CAS:	SHIP:	STORE:
C ₁₁ H ₁₆ N ₂ O ₈	304.3	≥98%	3106-85-2	RT	+4°C

LIT: N-acetylaspartylglutamate: an endogenous peptide with high affinity for a brain glutamate receptor: R. Zaczek, et al.; PNAS **80**, 1116 (1983)

N-Acetyl-Asp-Tyr(2-malonyl)-Val-Pro-Met-Leu-NH₂**ALX-151-026-M001** 1 mg 190.00

Peptide containing a phosphotyrosyl mimetic. Effective protein tyrosine kinase inhibitor. Inhibits the phosphoinositide 3-kinase (PI(3)K) C-terminal p85 SH2 domain.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₉ H ₅₈ N ₇ O ₁₄ S	881.0	≥96%	RT	-20°C

LIT: L-O-(2-malonyl)tyrosine: a new phosphotyrosyl mimetic for the preparation of Src homology 2 domain inhibitory peptides: B. Ye, et al.; J. Med. Chem. **38**, 4270 (1995)

N-Acetyl-Asp-Tyr(PO₃H₂)-Val-Pro-Met-Leu-NH₂**ALX-151-027-M001** 1 mg 190.00

Phosphotyrosine containing peptide. Effective protein tyrosine kinase inhibitor. Inhibits the phosphoinositide 3-kinase (PI(3)K) C-terminal p85 SH2 domain.

FORMULA:	MW:	PURITY:	SHIP:	STORE:
C ₃₈ H ₅₇ N ₇ O ₁₃ SP	858.9	≥96%	RT	-20°C

LIT: L-O-(2-malonyl)tyrosine: a new phosphotyrosyl mimetic for the preparation of Src homology 2 domain inhibitory peptides: B. Ye, et al.; J. Med. Chem. **38**, 4270 (1995)

N-Acetyl-2-benzyltryptamine

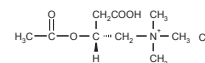
See Luzindole, (Prod. No. ALX-550-184), page 297

Acetyl-L-carnitine chloride

[L-Carnitine chloride, Acetyl-]

ALX-550-134-G001 1 g 30.00

FORMULA:	C ₉ H ₁₈ NO ₄
MW:	239.7
PURITY:	≥99%
CAS:	5080-50-2
MI:	13: 86
SHIP:	RT
STORE:	+4°C



CAUTION: MAY CAUSE IRRITATION.

LIT: Effect of L-carnitine chloride and its acetyl derivative on the electrophysiological derangement induced by palmityl-L-carnitine in isolated canine ventricular muscle: K. Matsui, et al.; Jpn. J. Pharmacol. **39**, 263 (1985)

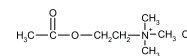
Acetylcholine chloride

[2-(Acetyloxy)-N,N,N-trimethylethanaminium chloride]

ALX-550-135-G005 5 g 18.00

Cholinergic neurotransmitter.

FORMULA:	C ₇ H ₁₆ ClNO ₂
MW:	181.7
PURITY:	≥99%
CAS:	60-31-1
MI:	13: 89
SHIP:	RT
STORE:	+4°C

**anti-Acetylcholinesterase MAb (HR2)**

[AChE MAb (HR2)]

ALX-802-003-R200 200 μl 468.00

CLONE:	ISOTYPE:	SHIP:	STORE:
HR2	Mouse IgG2b	BI	-20°C

REACTIVITY: APPLICATION:

HUM OTHERS ELISA IHC (FS) IP

LIT: Monoclonal antibodies to human brain acetylcholinesterase: properties and applications: Z. Rakonczay and S. Brimijoin; Cell. Mol. Neurobiol. **8**, 85 (1988)

anti-Acetylcholinesterase MAb (ZR3)

[AChE MAb (ZR3)]

ALX-802-004-R100 100 μl 468.00

CLONE:	ISOTYPE:	SHIP:	STORE:
ZR3	Mouse IgG2b	BI	-20°C

REACTIVITY: APPLICATION:

RAT OTHERS IHC IP

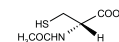
LIT: S. Brimijoin and V.A. Lennon; J. Neural Transmission **S34**, 139 (1991) ■ Monoclonal antibodies to rat brain acetylcholinesterase: comparative affinity for soluble and membrane-associated enzyme and for enzyme from different vertebrate species: Z. Rakonczay and S. Brimijoin; Neurochemistry **46**, 280 (1986)

N-Acetyl-L-cysteine

[LNAL; N-Acetyl-3-mercaptoalanine; NAC]

ALX-105-005-G001 1 g 18.00**ALX-105-005-G005** 5 g 35.00

FORMULA:	C ₅ H ₉ NO ₃ S
MW:	163.2
PURITY:	≥99%
CAS:	616-91-1
MI:	13: 90
SHIP:	RT
STORE:	+4°C



PROD.NO.	PAGE	PROD.NO.	PAGE	PROD.NO.	PAGE	PROD.NO.	PAGE	PROD.NO.	PAGE	PROD.NO.	PAGE		
AG-A0322EK	19	ALX-105-001	344	ALX-152-012	65	ALX-155-015	199	ALX-160-006	281	ALX-165-038	363	ALX-200-420	317
AG-A0434EK	19	ALX-105-002	344	ALX-152-014	65	ALX-155-016	198	ALX-160-008	281	ALX-165-039	22	ALX-200-421	318
AG-A0512EK	19	ALX-105-003	333	ALX-152-018	70	ALX-155-017	199	ALX-160-009	282	ALX-165-040	363	ALX-200-422	318
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ALX-101-004	47	ALX-106-001	346	ALX-152-029	70	ALX-155-022	191	ALX-162-002	303	ALX-165-045	404	ALX-200-427	454
ALX-101-005	46	ALX-106-002	346	ALX-153-001	82	ALX-155-023	191	ALX-162-004	301	ALX-165-046	395	ALX-200-430	318
ALX-101-010	49	ALX-106-003	143	ALX-153-003	89	ALX-155-024	197	ALX-162-005	302	ALX-165-047	401	ALX-200-600	328
ALX-101-011	49	ALX-106-004	253	ALX-153-006	80	ALX-155-025	198	ALX-162-006	305	ALX-165-048	401	ALX-200-602	233
ALX-101-012	157	ALX-106-005	174	ALX-153-008	80	ALX-155-026	197	ALX-162-007	306	ALX-165-049	400	ALX-200-603	483
ALX-101-016	229	ALX-106-006	174	ALX-153-009	79	ALX-155-027	198	ALX-162-009	327	ALX-165-050	400	ALX-201-002	218
ALX-101-017	229	ALX-106-007	174	ALX-153-010	80	ALX-155-028	197	ALX-162-010	328	ALX-165-051	388	ALX-201-006	10
ALX-101-018	229	ALX-106-008	174	ALX-153-012	154	ALX-155-029	198	ALX-162-011	330	ALX-165-052	375	ALX-201-010	196
ALX-101-019	229	ALX-106-010	320	ALX-153-016	84	ALX-155-030	198	ALX-162-012	330	ALX-165-053	376	ALX-201-012	380
ALX-101-036	358	ALX-106-011	320	ALX-153-017	84	ALX-155-031	197	ALX-162-013	330	ALX-165-054	376	ALX-201-014	278
ALX-101-037	358	ALX-106-012	311	ALX-153-018	79	ALX-155-032	198	ALX-162-016	328	ALX-165-055	393	ALX-201-018	37
ALX-101-051	474	ALX-106-013	453	ALX-153-019	103	ALX-155-033	189	ALX-162-017	331	ALX-165-056	394	ALX-201-023	155
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ALX-101-058	244	ALX-106-015	275	ALX-153-021	82	ALX-155-035	195	ALX-162-019	328	ALX-165-066	367	ALX-201-025	417
ALX-104-001	210	ALX-106-016	275	ALX-153-022	136	ALX-155-036	195	ALX-162-021	327	ALX-165-068	374	ALX-201-026	339
ALX-104-002	210	ALX-106-017	389	ALX-153-023	151	ALX-156-001	219	ALX-162-024	330	ALX-166-001	412	ALX-201-028	343
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ALX-104-006	210	ALX-106-023	257	ALX-153-025	104	ALX-156-003	208	ALX-162-026	326	ALX-166-003	416	ALX-201-034	290
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ALX-104-041	213	ALX-151-013	41	ALX-153-053	137	ALX-158-004	245	ALX-165-005	373	ALX-167-024	433	ALX-201-070	342
ALX-104-043	213	ALX-151-014	33	ALX-153-054	101	ALX-158-005	257	ALX-165-006	375	ALX-167-025	433	ALX-201-071	231
ALX-104-044	213	ALX-151-016	33	ALX-153-055	89	ALX-158-006	246	ALX-165-007	385	ALX-167-026	426	ALX-201-072	231
ALX-104-045	213	ALX-151-017	33	ALX-153-056	137	ALX-158-007	246	ALX-165-009	402	ALX-167-027	426	ALX-201-073	282
ALX-104-048	213	ALX-151-018	33	ALX-153-057	148	ALX-158-008	246	ALX-165-010	402	ALX-168-003	475	ALX-201-074	191
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