



Product Information

Caspase substrate

Cat. No.: X24-11-LY231

Size: 5 mg; 10 mg; 25 mg; 100 mg

CAS Number: 219138-02-0

Compound CID: 71312079

Synonym: 219138-02-0; Z-Ile-Glu-Thr-Asp-AFCZ-IETD-AFC; Z-IETD-AFC; Z-Ile-Glu-

Thr-Asp; 7-Amido-4-trifluoromethylcoumarin;

(4S)-5-[[[(2S,3R)-1-[[[(2S)-3-carboxy-1-oxo-1-[[2-oxo

-4-(trifluoromethyl)chromen-7-yl]amino]propan-2-yl]amino]-3-hydroxy-1-oxobutan-2-yl]

amino]-4-[[[(2S,3S

)-3-methyl-2-(phenylmethoxycarbonylamino)pentanoyl]amino]-5-oxopentanoic acid;

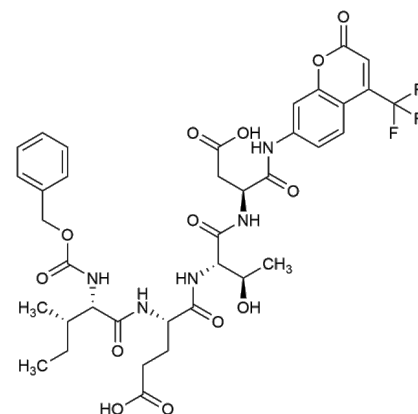
N

-[(Benzyloxy)carbonyl]-

L-isoleucyl-L-alpha-glutamyl-L-threonyl-N-[2-oxo

-4-(trifluoromethyl)-2H-1-benzopyran-7-yl]-L-alpha-asparagine

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Caspase substrate belongs pharmacological agents and regulates apoptosis.
Molecular Weight	821.75
Molecular Formula	C ₃₇ H ₄₂ F ₃ N ₅ O ₁₃
IUPAC Name	(4S)-5-[[[(2S,3R)-1-[[[(2S)-3-Carboxy-1-oxo-1-[[2-oxo-4-(trifluoromethyl)chromen-7-yl]amino]propan-2-yl]amino]-3-hydroxy-1-oxobutan-2-yl]amino]-4-[[[(2S,3S)-3-methyl-2-(phenylmethoxycarbonylamino)pentanoyl]amino]-5-oxopentanoic acid
InChI	InChI=1S/C37H42F3N5O13/c1-4-18(2)30(45-36(56)57-17-20-8-6-5-7-9-20)34(54)42-24(12-13-27(47)48)32(52)44-31(19(3)46)35(55)43-25(16-28(49)50)33(53)41-21-10-11-22-23(37(38,39)40)15-29(51)58-26(22)14-21/h5-11,14-15,18-19,24-25,30-31,46H,4,12-13,16-17H2,1-3H3,(H,41,53)(H,42,54)(H,43,55)(H,44,52)(H,45,56)(H,47,48)(H,49,50)/t18-,19+,24-,25-,30-,31-/m0/s1



InChI Key	RCIFCAJYIPUCJW-QXPVPWKFSA-N
SMILES string	<chem>CC[C@H](C)[C@@H](C(=O)N[C@@H](CCC(=O)O)C(=O)N[C@@H]([C@@H](C)O)C(=O)N[C@@H](CC(=O)O)C(=O)NC1=CC2=C(C=C1)C(=CC(=O)O2)C(F)(F)F)NC(=O)OCC3=CC=CC=C3</chem>
Form	Powder
Purity	≥95%
Applications	Caspase substrate is often used in cell apoptosis studies to help assess the apoptotic process in cells.
Storage	Store at -20°C.