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DATASHEET

Z-VAD-FMK

Product overview

Name	Z-VAD-FMK
Cat No	HB1285
Alternative names	ZVAD-FMK; Z-VAD.FMK
Biological action	Inhibitor
Description	Broad spectrum caspase inhibitor

Images



Biological Data

Biological description	Broad spectrum caspase inhibitor. Blocks apoptosis and activation of caspases during Fas-L induced apoptosis. Also Inhibits T-cell proliferation displaying immunosuppressive properties.
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Solubility & Handling

Storage instructions	-20 °C
Solubility overview	Soluble in DMSO (20 mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	Benzyloxycarbonyl-Val-Ala-Asp(OMe)-fluoromethylketone
Molecular Weight	467.49
Chemical structure	
Molecular Formula	C ₂₂ H ₃₀ FN ₃ O ₇
CAS Number	187389-52-2
PubChem identifier	5497174
SMILES	C[C@@H](C(=O)N[C@@H](CC(=O)OC)C(=O)CF)NC(=O)[C@H](C(C)C)NC(=O)OCC1=CC=CC=C1
InChi	InChI=1S/C22H30FN3O7/c1-13(2)19(26-22(31)33-12-15-8-6-5-7-9-15)21(30)24-14(3)20(29)25-16(17(27)11-23)10-18(28)32-4/h5-9,13-14,16,19H,10-12H2,1-4H3,(H,24,30)(H,25,29)(H,26,31)/t14-,16-,19-/m0/s1

References

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Garcia-Calvo M *et al* (1998) *J Biol Chem* 273(49)

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