

Product datasheet

Z-AEVD-FMK, caspase-10 and related caspases inhibitor ab142028

Overview

Product name	Z-AEVD-FMK, caspase-10 and related caspases inhibitor
Description	Irreversible inhibitor of caspase-10 and related caspases
Biological description	Irreversible inhibitor of caspase-10 ($K_i = 320$ nM) and related caspases. Inhibits FasL- and pyrimethamine-induced apoptosis. Cell-permeable. Active <i>in vivo</i> .
Purity	> 95%
Chemical structure	<chem>Z-Ala-Glu(OMe)-Val-Asp(OMe)-FMK</chem>

Properties

Molecular weight	610.63
Molecular formula	$C_{28}H_{39}FN_4O_{10}$
Sequence	AEVD (Modifications: N-terminal benzyloxycarbonyl; C-terminal FMK; Glu-2 = Glu(OMe); Asp-4 = Asp(OMe))
PubChem identifier	44135225
Storage instructions	Store at $-20^{\circ}C$ (desiccating conditions).
Solubility overview	Supplied in DMSO (10 mM)
Handling	<p>Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at $-20^{\circ}C$. Generally, these will be useable for up to one week. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	<chem>CC(C)C(C(=O)NC(CC(=O)OC)C(=O)CF)NC(=O)C(CCC(=O)OC)NC(=O)C(C)NC(=O)OCC1=C C=CC=C1</chem>
Source	Synthetic

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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