


Product datasheet

Biotin-DEVD-FMK, caspase-3 inhibitor ab142033

1 Image

Overview

<b>Product name</b>	Biotin-DEVD-FMK, caspase-3 inhibitor
<b>Description</b>	Biotin-conjugated, potent, irreversible caspase-3 inhibitor. Cell-permeable.
<b>Biological description</b>	Biotin-conjugated, potent, irreversible caspase-3 inhibitor (IC <sub>50</sub> = 35.8 nM). Inhibits apoptosis in multiple biological systems. Neuroprotective and active <i>in vivo</i> . Biotin-conjugation allows detection of activated caspases in conjunction with avidin-tags. Cell-permeable.
<b>Purity</b>	> 95%
<b>Chemical structure</b>	

Properties

<b>Molecular weight</b>	873.99
<b>Molecular formula</b>	C <sub>38</sub> H <sub>60</sub> FN <sub>7</sub> O <sub>13</sub> S
<b>Sequence</b>	DEVD (Modifications: N-terminal biotinyl; C-terminal FMK; Asp-1 = Asp(OMe); Glu-2 = Glu(OMe); Asp-4 = Asp(OMe))
<b>PubChem identifier</b>	44135216
<b>Storage instructions</b>	Store at -20°C (desiccating conditions).
<b>Solubility overview</b>	Supplied in DMSO (10 mM)
<b>Handling</b>	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°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.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	<chem>CC(C)C(C(=O)NC(CC(=O)OC)C(=O)CF)NC(=O)C(CCC(=O)OC)NC(=O)C(CC(=O)OC)NC(=O)CCCCNC(=O)CCCCC1C2C(CS1)NC(=O)N2</chem>
<b>Source</b>	Synthetic

Images

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Biotin-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-FMK

Chemical Structure - Biotin-DEVD-FMK, caspase-3 inhibitor (ab142033)

2D chemical structure image of ab142033, Biotin-DEVD-FMK, caspase-3 inhibitor

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

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