


Product datasheet

Q-DEVD-OPh, caspase-3 inhibitor ab142037

[1 References](#) [3 Images](#)

Overview

Product name	Q-DEVD-OPh, caspase-3 inhibitor
Description	Potent, irreversible, cell-permeable caspase-3 inhibitor
Biological description	Potent, irreversible, cell-permeable caspase-3 inhibitor
Purity	> 90%
General notes	This product is manufactured by BioVision, an Abcam company and was previously called 1175 Caspase-3 Inhibitor Q-DEVD-OPh. 1175-5 is the same size as the 5 mg size of ab142037.
Chemical structure	 Quinolyl-Asp(OMe)-Glu(OMe)-Val-Asp(OMe)-OPh

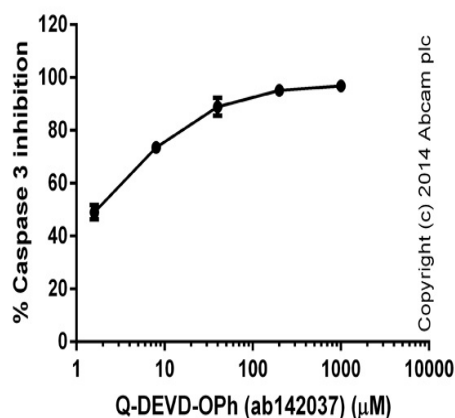
Properties

Molecular weight	799.77
Molecular formula	C ₃₈ H ₄₃ F ₂ N ₅ O ₁₂
Sequence	DEVD (Modifications: N-terminal quinolyl; C-terminal OPh; Asp-1 = Asp(OMe); Glu-2 = Glu(OMe); Asp-4 = Asp(OMe))
PubChem identifier	44135278
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO
Handling	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 frequently asked questions (FAQ) page for more details.
SMILES	<chem>CC(C)C(C(=O)NC(CC(=O)OC)C(=O)COC1=C(C=CC=C1F)F)NC(=O)C(CCC(=O)OC)NC(=O)C(CC(=O)OC)NC(=O)C2=NC3=CC=CC=C3C=C2</chem>
Source	Synthetic



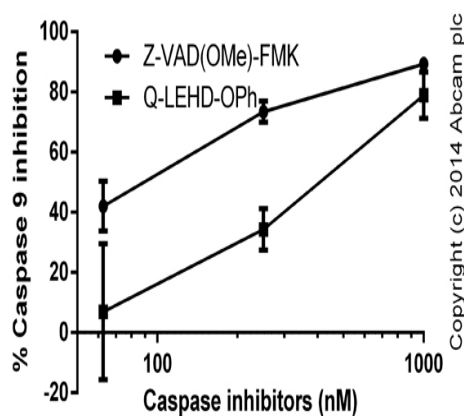
Chemical Structure - Q-DEVD-OPh, caspase-3 inhibitor (ab142037)

2D chemical structure image of ab142037, Q-DEVD-OPh, caspase-3 inhibitor



Titration of the Caspase 3 specific inhibitor Q-DEVD-OPh (ab142037) (duplicates; +/- SD).

Functional Studies - Q-DEVD-OPh, caspase-3 inhibitor (ab142037)



Functional assays: Caspase 9 Inhibitor Drug Detection Kit ([ab102497](#)) Titration of the caspase inhibitors Z-VAD(OMe)-FMK ([ab120487](#)) and Q-LEHD-OPh ([ab142039](#)) (duplicates; +/- SD).

Functional Studies - Q-DEVD-OPh, caspase-3 inhibitor (ab142037)

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