

Z-VDVAD-FMK, caspase-2 inhibitor ab142035

画像数 2

製品の概要

製品名	Z-VDVAD-FMK, caspase-2 inhibitor
製品の詳細	Irreversible caspase-2 inhibitor
生理活性の詳細	Irreversible caspase-2 inhibitor. Inhibits apoptosis in multiple biological systems.
特記事項	This product is manufactured by BioVision, an Abcam company and was previously called 1142 VDVAD-FMK, Z-,. 1142-5 is the same size as the 5 mg size of ab142035.
構造式	<chem>Z-Val-Asp(OMe)-Val-Ala-Asp(OMe)-FMK</chem>

製品の特性

分子量	695.70
分子式	C ₃₂ H ₄₆ N ₅ O ₁₁
配列	VDVAD (Modifications: N-terminal benzyloxycarbonyl; C-terminal FMK; Asp-2 = Asp(OMe); Asp-5 = Asp(OMe))
PubChem 登録番号	25108684
保存方法	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO to 20 mM
使用に関する注意	<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°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 線形表記	<chem>CC(C)C(C(=O)NC(C)C(=O)NC(CC(=O)OC)C(=O)CF)NC(=O)C(CC(=O)OC)NC(=O)C(C(C)C)NC(=O)OCC1=CC=CC=C1</chem>
由来	Synthetic

アプリケーション

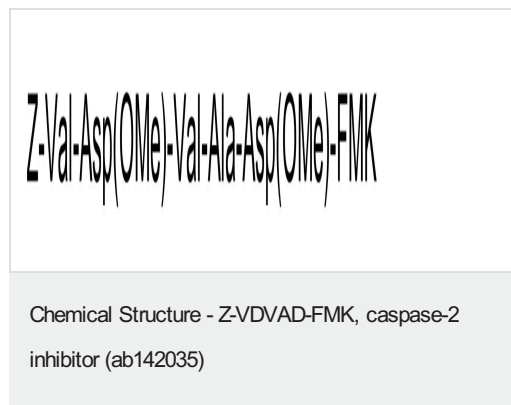
The Abpromise guarantee

Abpromise保証は、次のテスト済みアプリケーションにおけるab142035の使用に適用されます

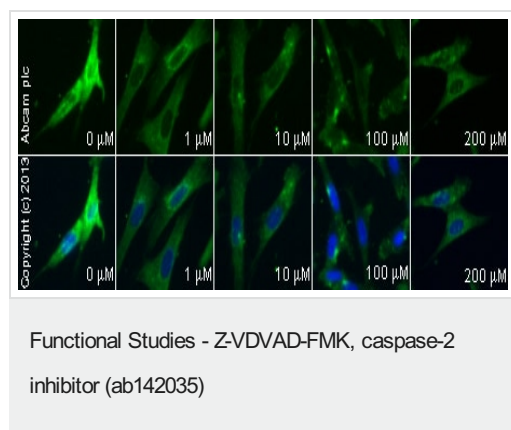
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

アプリケーション	Abreviews	特記事項
Functional Studies		Use at an assay dependent concentration.

画像



2D chemical structure image of ab142035, Z-VDVAD-FMK, caspase-2 inhibitor



ab13847 staining active caspase 3 in SKNSH cells treated with Z-VDVAD-FMK (ab142035), by ICC/IF. Decrease in active caspase 3 expression correlates with increased concentration of Z-VDVAD-FMK, as described in literature.

The cells were incubated at 37°C for 1 hour in media containing different concentrations of ab142035 (Z-VDVAD-FMK) in DMSO. After this incubation 10 μM of camptothecin (**ab120115**) was added to all samples and the cells were incubated for further 24 hours. The samples were then fixed with 4% formaldehyde for 10 minutes at room temperature and blocked with PBS containing 10% goat serum, 0.3 M glycine, 1% BSA and 0.1% tween for 2h at room temperature. Staining of the treated cells with **ab13847** (5 μg/ml) was performed overnight at 4°C in PBS containing 1% BSA and 0.1% tween. A DyLight 488 anti-rabbit polyclonal antibody (**ab96899**) at 1/250 dilution was used as the secondary antibody. Nuclei were counterstained with

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