

Z-VDVAD-FMK, caspase-2 inhibitor ab142035

2 图像

概述

| | |
|-------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 产品名称 | Z-VDVAD-FMK, caspase-2抑制剂 |
| 描述 | Irreversible caspase-2抑制剂 |
| 生物学描述 | Irreversible caspase-2 inhibitor. Inhibits apoptosis in multiple biological systems. |
| 常规说明 | 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. |
| 化学结构 | <chem>Z-Val-Asp(OMe)-Val-Ala-Asp(OMe)-FMK</chem> |

性能

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|------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 分子量 | 695.70 |
| 分子式 | C ₃₂ H ₄₆ N ₅ O ₁₁ |
| 序列 | VDVAD (Modifications: N-terminal benzyloxycarbonyl; C-terminal FMK; Asp-2 = Asp(OMe); Asp-5 = Asp(OMe)) |
| PubChem识别号 | 25108684 |
| 存放说明 | Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months. |
| 溶解度概述 | Soluble in DMSO to 20 mM |
| 处理 | <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 | <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> |
| 来源 | Synthetic |

应用

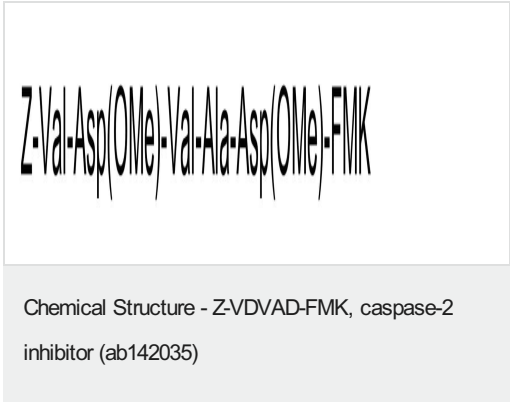
The Abpromise guarantee

Abpromise™承诺保证使用ab142035于以下的经测试应用

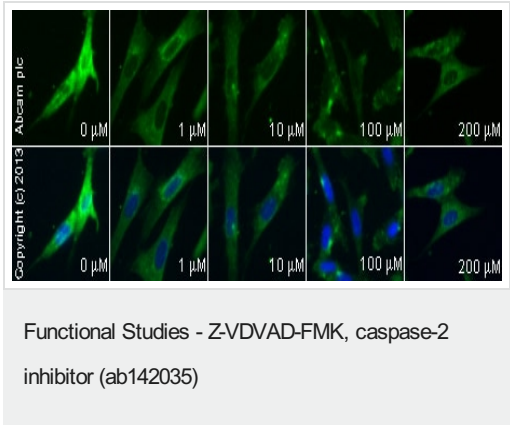
“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

| 应用 | Ab评论 | 说明 |
|--------------------|------|------------------------------------------|
| Functional Studies | | Use at an assay dependent concentration. |

图片



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

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

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