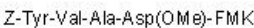


Z-YVAD-FMK, Irreversible caspase-1 inhibitor ab141388

11 References [画像数 3](#)

製品の概要

製品名	Z-YVAD-FMK, Irreversible caspase-1 inhibitor
製品の詳細	Irreversible caspase-1 inhibitor. Cell-permeable.
精製度	> 98%
特記事項	This product is manufactured by BioVision, an Abcam company and was previously called 1141 YVAD-FMK, Z-,. 1141-5 is the same size as the 5 mg size of ab141388.
CAS 番号	210344-97-1
構造式	

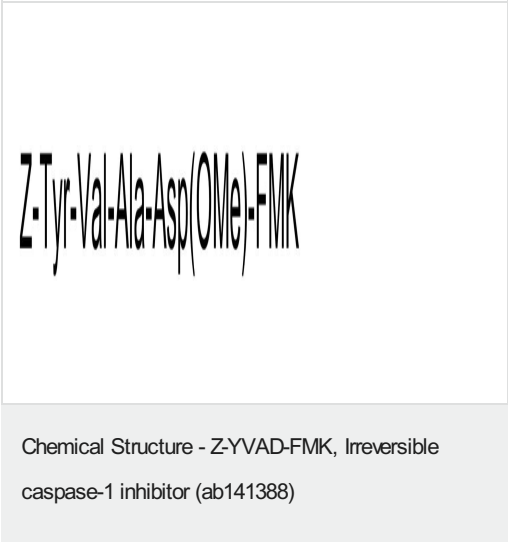
製品の特性

分子量	630.70
分子式	C ₃₁ H ₃₉ FN ₄ O ₉
配列	YVAD (Modifications: N-terminal benzyloxycarbonyl; C-terminal FMK; Asp-4 = Asp(OMe))
PubChem 登録番号	16760349
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(CC1=CC=C(C=C1)O)NC(=O)OCC2=CC=CC=C2</chem>
由来	Synthetic

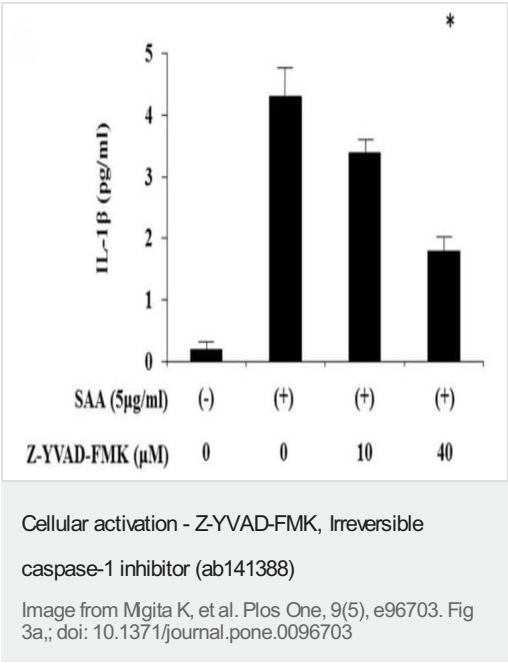
The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab141388の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご検討ください。

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

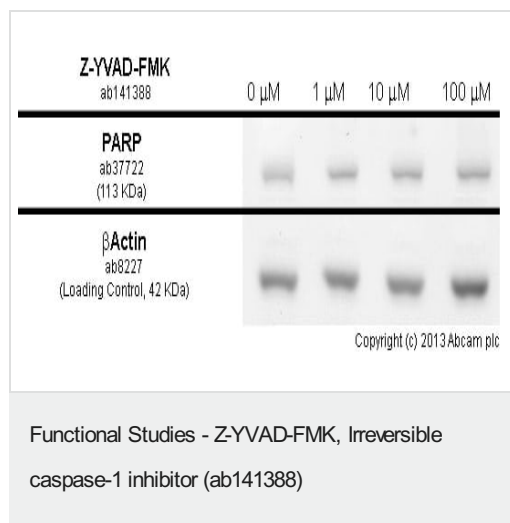
画像



2D chemical structure image of ab141388, Z-YVAD-FMK, Irreversible caspase-1 inhibitor



Neutrophils were stimulated with SAA (5 μg/ml) in the presence or absence of Z-YVAD-FMK for 8 h. After stimulation, supernatants were analyzed for IL-1 B production using ELISA. Values represent the mean ± SD of two independent experiments. *p<0.001 compared to SAA-stimulated neutrophils.



SHSY5Y cells were incubated at 37°C for 1 h with vehicle control (0 μM) and different concentrations of Z-YVAD-FMK (**ab141388**).

After this incubation 10 μM of camptothecin (**ab120115**) was added to all samples and the cells were incubated for further 24 h.

Increased expression of full length PARP (**ab37722**) in camptothecin induced apoptotic SHSY5Y cells correlates with an increase in Z-YVAD-FMK concentration, as described in literature.

Whole cell lysates were prepared with RIPA buffer (containing protease inhibitors and sodium orthovanadate), 20 μg of each were loaded on the gel and the WB was run under reducing conditions.

After transfer the membrane was blocked for an hour using 3% milk before being incubated with **ab37722** at 1 μg/ml and **ab8227** at 1 μg/ml overnight at 4°C. Antibody binding was detected using an anti-rabbit antibody conjugated to HRP (**ab97051**) at 1/10000 dilution and visualised using ECL development so

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