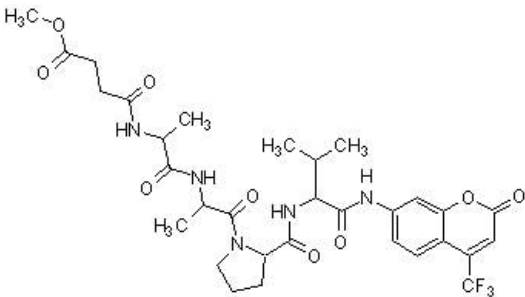


Elastase Substrate, Fluorogenic (MeOSuc-AAPV-AFC) ab142178

[2 References](#) [画像数 1](#)

製品の概要

製品名	Elastase Substrate, Fluorogenic (MeOSuc-AAPV-AFC)
製品の詳細	Highly sensitive coumarin-fluorogenic substrate for neutrophil elastase
生理活性の詳細	Highly sensitive coumarin-fluorogenic substrate for neutrophil elastase ($K_m = 130 \mu M$ for leukocyte elastase). Compatible with <i>in vitro</i> assays with purified enzyme, on live cells, or in conditioned medium. The excitation wavelength is 380 nm and the emission wavelength is 500 nm.
精製度	> 99%
特記事項	This product is manufactured by BioVision, an Abcam company and was previously called 1975 Elastase Substrate, Fluorogenic. 1975-5 is the same size as the 5 mg size of ab142178.
構造式	 <p>The chemical structure of MeOSuc-AAPV-AFC is shown. It consists of a methoxysuccinyl (MeOSuc) group linked to a peptide sequence (Ala-Ala-Pro-Val) which is then linked to a 7-amino-4-trifluoromethylcoumarin (AFC) moiety. The structure includes a methoxy group, a succinyl group, and a coumarin ring with a trifluoromethyl substituent.</p>

製品の特性

体系名	N-(Methoxysuccinyl)-Ala-Ala-Pro-Val-7-amino-4-trifluoromethylcoumarin
分子量	681.67
分子式	$C_{31}H_{38}F_3N_5O_9$
保存方法	Store at $-20^{\circ}C$. Store under desiccating conditions. The product can be stored for up to 12 months.
溶解性	Soluble in DMSO
使用に関する注意	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 $-20^{\circ}C$. Generally, these will be useable for up to one month. 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.

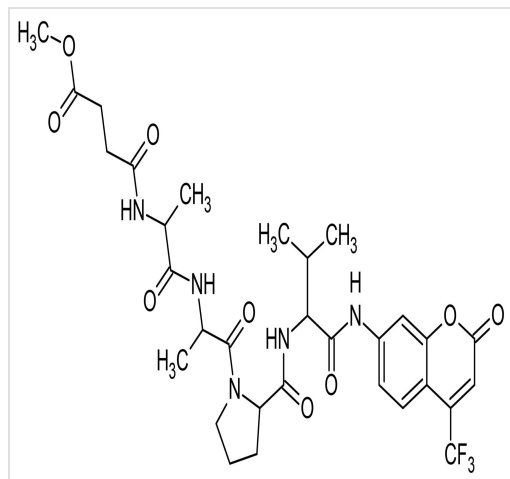
SMILES 線形表記

O=C(OC)CCC(=O)NC(C)C(=O)NC(C)C(=O)N1CCCC1C(=O)NC(C(C)C)C(=O)Nc2ccc3c(c2)OC(=O)C=C3C(F)(F)F

由来

Synthetic

画像



2D chemical structure image of ab142178, Elastase Substrate, Fluorogenic (MeOSuc-AAPV-AFC)

Chemical Structure - Elastase Substrate, Fluorogenic (MeOSuc-AAPV-AFC) (ab142178)

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

Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.co.jp/abpromise> or contact our technical team.

Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors
- Abcam biochemicals are novel compounds and we have not tested their biological activity in house. Please use the literature to identify how to use these products effectively. If you require further assistance please contact the scientific support team