Product datasheet

ALLN (DMSO solution), cysteine proteinase inhibitor
ab146608

Overview

Product name
ALLN (DMSO solution), cysteine proteinase inhibitor

Description
Potent, cell-permeable cysteine proteinase inhibitor

Biological description
Potent, cell-permeable cysteine proteinase inhibitor ($K_i$ values are 190 (calpain I), 220 (calpain II), 150 (cathepsin B) nM and 500 pM (cathepsin L). Promotes Bax-dependent apoptosis in cancer cells. Antitumor agent. Active in vivo and in vitro.

Also available as a solid (ab141445).

Purity
> 95%

CAS Number
110044-82-1

Chemical structure

![Chemical structure image]

Properties

Molecular weight
383.53

Molecular formula
C$_{20}$H$_{37}$N$_3$O$_4$

Sequence
LLX (Modifications: N-terminal acetyl; C-terminal aldehyde; X-1 = Nle)

PubChem identifier
443118

Storage instructions
Store at -20°C. Store In the Dark. Store under desiccating conditions. This product is air and light sensitive and impurities can occur as a result of air oxidation or due to metabolism by microbes.

Solubility overview
Supplied in DMSO (10 mM)

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 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: CCCCC@@(C=O)NC(=O)@H/(CC(C)C)NC(=O)@H](CC(C)C)NC(=O)C
Source: Synthetic

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

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