


Product datasheet

Leupeptin hemisulfate, serine/cysteine protease inhibitor ab141404

Overview

Product name	Leupeptin hemisulfate, serine/cysteine protease inhibitor
Description	Reversible competitive serine/cysteine protease inhibitor
Biological description	Reversible, competitive serine/cysteine protease inhibitor. Inhibits cathepsins B, H, L and S, calpain and trypsin. Orally active. Antioxidant and anti-inflammatory agent. Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 98%
CAS Number	103476-89-7
Chemical structure	

Properties

Molecular weight	475.59
Molecular formula	C ₂₀ H ₃₈ N ₆ O ₄ ·0.5H ₂ SO ₄
Sequence	LLR (Modifications: N-terminal acetyl; C-terminal aldehyde)
PubChem identifier	3910
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 10 mM
Handling	<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>Toxic, refer to SDS for further information.</p> <p>Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.</p>
SMILES	CC(C)CC(C(=O)NC(CC(C)C)C(=O)NC(CCCN=C(N)N)C(=O)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"

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- 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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Terms and conditions

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