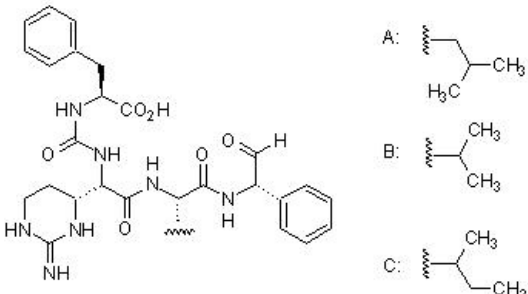


Product datasheet

Chymostatin, chymotrypsin inhibitor ab143595

1 Image

Overview

<b>Product name</b>	Chymostatin, chymotrypsin inhibitor
<b>Description</b>	Potent, selective chymotrypsin inhibitor
<b>Biological description</b>	Potent, selective chymotrypsin inhibitor (IC <sub>50</sub> = 250 nM). Inhibits cathepsin A, B, and C. Inhibits papain. Attenuates cardiovascular response to angiotensin <i>in vivo</i> .
<b>Purity</b>	> 98%
<b>CAS Number</b>	9076-44-2
<b>Chemical structure</b>	

Properties

<b>Chemical name</b>	(2R)-2-[[[(1R)-1-[(6R)-2-Amino-1,4,5,6-tetrahydropyrimidin-6-yl]-2-[[[(2R)-4-methyl-1-oxo-1-[[[(2R)-1-oxo-3-phenylpropan-2-yl]amino]pentan-2-yl]amino]-2-oxoethyl]carbamoylamino]-3-phenylpropanoic acid]carbamoylamino]-3-phenylpropanoic acid
<b>Molecular weight</b>	607.70
<b>Molecular formula</b>	C <sub>31</sub> H <sub>41</sub> N <sub>7</sub> O <sub>6</sub>
<b>PubChem identifier</b>	46936189
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 10 mM
<b>Handling</b>	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.

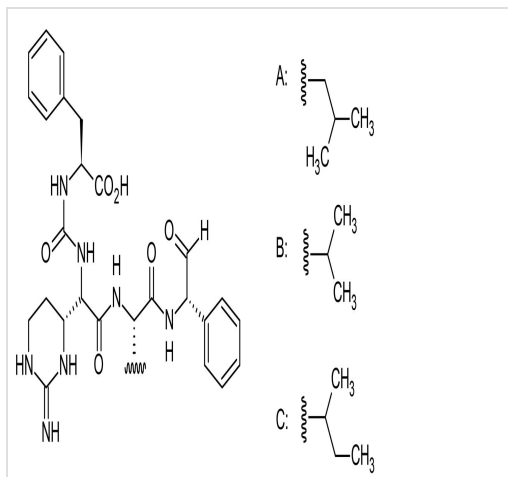
## SMILES

CC(C)CC(C(=O)NC(CC1=CC=CC=C1)C(=O)NC(=O)C(C2CCN=C(N2)N)NC(=O)NC(CC3=CC=CC=C3)C(=O)O

## Source

Synthetic

## Images



2D chemical structure image of ab143595, Chymostatin, chymotrypsin inhibitor

Chemical Structure - Chymostatin, chymotrypsin inhibitor (ab143595)

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

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- Response to your inquiry within 24 hours
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- 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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