

Product datasheet

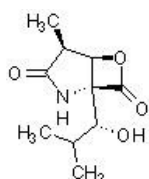
clasto-Lactacystin beta-lactone, 20S proteasome inhibitor ab141412

1 References 1 Image

Overview

Product name	clasto-Lactacystin beta-lactone, 20S proteasome inhibitor
Description	Potent, irreversible and cell-permeable 20S proteasome inhibitor
Biological description	Potent, irreversible and cell-permeable 20S proteasome inhibitor (IC ₅₀ = 50 nM). Active metabolite of lactacystin (ab141411). Inhibits cell-cycle progression in cancer cells. Antitumor agent. Active <i>in vivo</i> and <i>in vitro</i> .
Purity	> 95%
CAS Number	154226-60-5

Chemical structure



Properties

Chemical name	(1S,2R,5R)-5-[(1S)-1-Hydroxy-2-methylpropyl]-2-methyl-7-oxa-4-azabicyclo[3.2.0]heptane-3,6-dione
Molecular weight	213.23
Molecular formula	C ₁₀ H ₁₅ NO ₄
PubChem identifier	9794358
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 75 mM and in water to 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.

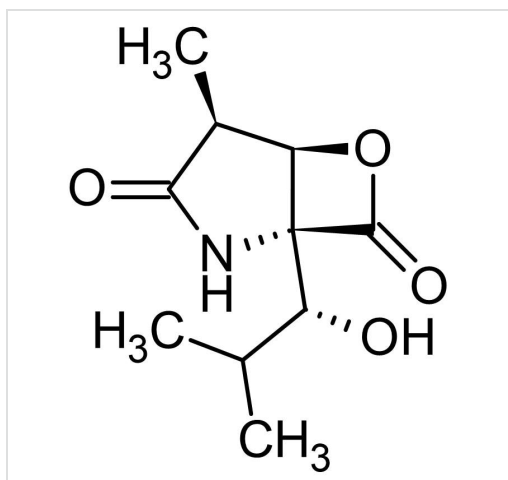
SMILES

CC1C2C(C(=O)O2)(NC1=O)C(C(C)C)O

Source

Synthetic

Images



2D chemical structure image of ab141412, clasto-Lactacystin beta-lactone, 20S proteasome inhibitor

Chemical Structure - clasto-Lactacystin beta-lactone, 20S proteasome inhibitor (ab141412)

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