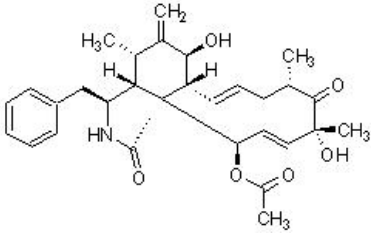


Product datasheet

Cytochalasin D, actin polymerization inhibitor
ab143484

8 References 1 Image

Overview

Product name	Cytochalasin D, actin polymerization inhibitor
Description	Potent actin polymerization inhibitor
Biological description	Potent actin polymerization inhibitor. Binds to G- and F-actin. Stimulates actin depolymerization. Induces cell cycle arrest at G1-S. Activates p53-dependent pathways. Cell permeable.
Purity	> 98%
CAS Number	22144-77-0
Chemical structure	

Properties

Chemical name	(3 <i>S</i> ,3 <i>aR</i> ,4 <i>S</i> ,6 <i>S</i> ,6 <i>aR</i> ,7 <i>E</i> ,10 <i>S</i> ,12 <i>R</i> ,13 <i>E</i> ,15 <i>R</i> ,15 <i>aR</i>)-15-(Acetyloxy)-3,3 <i>a</i> ,4,5,6,6 <i>a</i> ,9,10,12,15-decahydro-6-12-dihydroxy-4,10,12-trimethyl-5-methylene-3-(phenylmethyl)-1 <i>H</i> -cycloundec[<i>d</i>]isoindole-1,11(2 <i>H</i>)-dione
Molecular weight	507.63
Molecular formula	C ₃₀ H ₃₇ NO ₆
PubChem identifier	5458428
Storage instructions	Shipped at 4°C. Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in ethanol to 10 mM and in DMSO to 50 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.

Toxic, refer to SDS for further information.

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

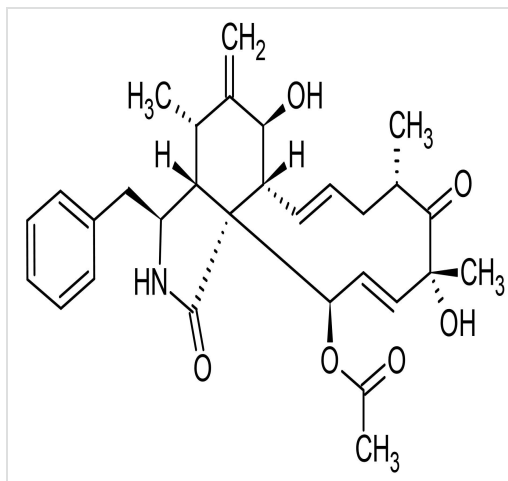
SMILES

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(C)O)OC(=O)C)C(=O)NC3CC4=CC=CC=C4)C)O
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Source

Zygosporium mansonii

Images



2D chemical structure image of ab143484, Cytochalasin D, actin polymerization inhibitor

Chemical Structure - Cytochalasin D, actin polymerization inhibitor (ab143484)

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

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