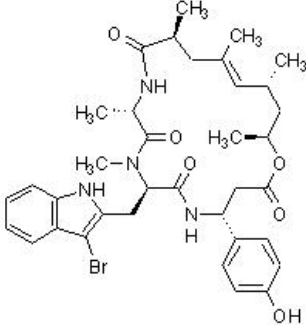


Product datasheet

Jasplakinolide, Actin polymerization and stabilization inducer ab141409

[13 References](#) [1 Image](#)

Overview

Product name	Jasplakinolide, Actin polymerization and stabilization inducer
Description	Actin polymerization and stabilization inducer. Cell-permeable.
Biological description	Cell-permeable actin polymerization and stabilization inducer. Potent antiproliferative activity (IC ₅₀ = 15 nM). Antitumor and antifungal agent. Active <i>in vitro</i> .
Purity	> 95%
CAS Number	102396-24-7
Chemical structure	

Properties

Chemical name	Cyclo[(3R)-3-(4-hydroxyphenyl)-β-alanyl-(2S,4E,6R,8S)-8-hydroxy-2,4,6-trimethyl-4-nonenoyl-L-alanyl-2-bromo-N-methyl-D-tryptophyl]
Molecular weight	709.68
Molecular formula	C ₃₆ H ₄₅ BrN ₄ O ₆
PubChem identifier	6436289
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
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.

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.

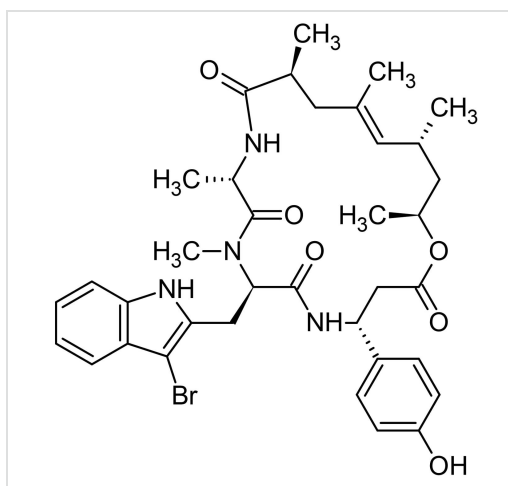
SMILES

```
C[C@@H]1C[C@@H](OC(=O)C[C@@H](NC(=O)[C@H](N(C(=O)[C@@H](NC(=O)[C@@H](C/C(=C1)/C)C)C)CC2=C(NC3=CC=CC=C32)Br)C4=CC=C(C=C4)O)C
```

Source

Jaspis splendens

Images



2D chemical structure image of ab141409, Jasplakinolide, Actin polymerization and stabilization inducer

Chemical Structure - Jasplakinolide, Actin polymerization and stabilization inducer (ab141409)

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