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DATASHEET

Jasplakinolide

Product overview

Name	Jasplakinolide
Cat No	HB3946
Biological action	Inhibitor
Purity	>98%
Description	Cell permeable, non-fluorescent F-actin probe. Induces actin polymerization and stabilization.

Biological Data

Biological description	Cell permeable, non-fluorescent F-actin probe. Potent inducer of actin polymerization and stabilization. Competes with phallotoxins for actin binding. Antifungal and antiparasitic compound. Antiproliferative and anticancer compound. Apoptosis enhancer/inducer. Tool used for autophagy/phagocytosis research.
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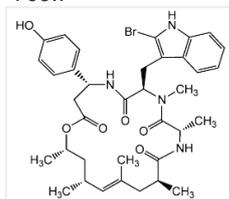
Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

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	709.7

Chemical structure



Molecular Formula	C ₃₆ H ₄₅ BrN ₄ O ₆
CAS Number	102396-24-7
PubChem identifier	9831636
SMILES	<chem>C[C@H](C[C@H](C)OC1=O)/C=C(C)/C[C@H](C)C(N[C@H](C(N([C@H](CC2=C(Br)NC3=C2C=CC=C3)N[C@H]([C@]4=CC=C(O)C=C4)C1)=O)C)=O</chem>
InChiKey	GQWYWHOHRVVHAP-DHKPLNAMSA-N
Appearance	Off-white solid