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DATASHEET

Jasplakinolide

Product overview

Name Jasplakinolide Cat No HB3946 **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.

Solubility & Handling

+4°C Storage instructions

Storage of solutions Prepare and use solutions on the same day if possible. Store solutions at -20°C for up to one month if

storage is required. Equilibrate to RT and ensure the solution is precipitate free before use.

Shipping Conditions Stable for ambient temperature shipping. Follow storage instructions on receipt.

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not **Important**

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 Chemical structure

Molecular Formula **CAS Number PubChem identifier** C₃₆H₄₅BrN₄O₆ 102396-24-7 9831636

709.7

SMILES

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=CCCC))))

=C3)C(N[C@@H]([C@]4=CC=C(O)C=C4)C1)=O)C)=O)

InChiKey GQWYWHOHRVVHAP-DHKPLNAMSA-N **Appearance**

Off-white solid