

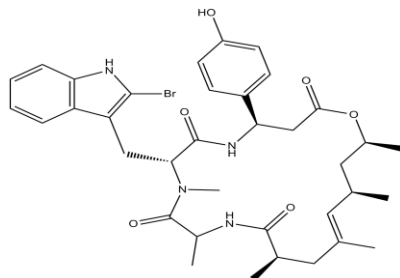
Jasplakinolide, *jaspis johnstoni*

CATALOG #: 1689-05

AMOUNT: 50 µg

LOT #: _____

STRUCTURE:



MOLECULAR FORMULA: C₃₆H₄₅BrN₄O₆

MOLECULAR WEIGHT: 709.67

CAS NUMBER: 102396-24-7

APPEARANCE: Off-white to yellow solid

SOLUBILITY: DMSO or Methanol

PURITY: >95% by HPLC

STORAGE: Store at -20°C. Protect from light

DESCRIPTION: A cell- permeable, non-fluorescent F-actin probe. Displays antifungal and antitumor properties. A potent inducer of actin polymerization and stabilization, Jasplakinolide competes with phallotoxins for actin binding ($K_d = 15$ nM). It also enhances apoptosis induced by IL-2 deprivation.

REFERENCES: Holzinger, A. (2001). *Methods Mol. Biol.* **161**, 109-120; Bubb. M.R., *et al.* (1994). *J. Biol. Chem.* **269**, 14869-14871.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

- β-Actin Monoclonal Antibody (**Cat. No. 3598-100**)
- β-Actin Polyclonal Antibody (**Cat. No. 3850-100**)
- β-Actin Polyclonal Antibody (**Cat. No. 3662-100**)
- β-Actin Blocking Peptide (**Cat. No. 3850BP-50**)
- β-Actin Blocking Peptide (**Cat. No. 3662BP-50**)
- Paclitaxel (**Cat. No. 1567-25**)

FOR RESEARCH USE ONLY! Not to be used in humans.