



LKT Laboratories, Inc.

Jasplakinolide

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Product Information

Product ID J0274

CAS No. 102396-24-7

Chemical Name (4R,7R,10S,13S,15E,17R,19S)-7-[(2-Bromo-1H-indol-3-yl)methyl]-4-(4-hydroxyphenyl)-8,10,13,15,17,19-hexamethyl-1-oxa-5,8,11-triazacyclonadec-15-ene-2,6,9,12-tetrone

Synonym Jaspamide

Formula C₃₆H₄₅BrN₄O₆

Formula Wt. 709.68

Melting Point

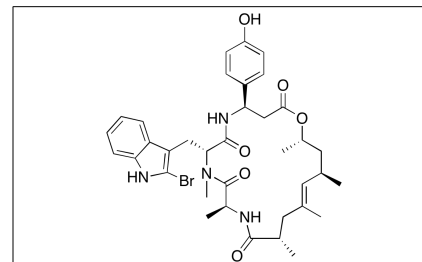
Purity ≥98%

Solubility Soluble in ethanol, methanol or DMSO.

Store Temp -20° C

Ship Temp Ambient

Description Jasplakinolide is a marine toxin that stabilizes actin by inducing polymerization and preventing depolymerization and is used in research models. In animal models, jasplakinolide stimulates follicle growth.



Bulk quantities available upon request

Product ID	Size
J0274	50 µg
J0274	100 µg

References Aida N, Ushikubo T, Kobayashi F, et al. Actin stabilization induces apoptosis in cultured porcine epithelial cell rests of Malassez. *Int Endod J.* 2015 Jun 27. [Epub ahead of print]. PMID: 26118334.

Cheng Y, Feng Y, Jansson L, et al. Actin polymerization-enhancing drugs promote ovarian follicle growth mediated by the Hippo signaling effector YAP. *FASEB J.* 2015 Jun;29(6):2423-30. PMID: 25690654.

Schwingshackl A, Roan E, Teng B, et al. TREK-1 Regulates Cytokine Secretion from Cultured Human Alveolar Epithelial Cells Independently of Cytoskeletal Rearrangements. *PLoS One.* 2015 May 22;10(5):e0126781. PMID: 26001192.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.