

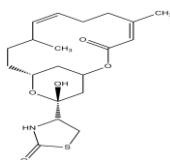
**PRODUCT: Latrunculin B**

ALTERNATE NAME: LAT-B; NSC 339663

CATALOG #: 2182-1

AMOUNT: 1 mg

STRUCTURE:

MOLECULAR FORMULA:  $C_{20}H_{29}NO_5S$ 

MOLECULAR WEIGHT: 395.51

CAS NUMBER: 76343-94-7

APPEARANCE: White to light yellow solid

SOLUBILITY: DMSO or EtOH

PURITY:  $\geq 95\%$  by HPLCSTORAGE: Store at  $-20\text{ }^{\circ}\text{C}$ . Protect from air and light

**DESCRIPTION:** A cell-permeable marine toxin. It disrupts microfilament-mediated processes. It acts as an actin polymerization inhibitor *in vitro* and *in vivo* by the formation of a 1:1 complex with monomeric G-actin. It depolymerizes actin filaments (F-actin). It is less potent than Latrunculin A (Cat. No. 2181-100). May have fewer unwanted effects than latrunculin A and may be preferred for short-term studies. Acts via a different mechanism than cytochalasins.

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

**RELATED PRODUCTS:**

Jasplakinolide (Cat. No. 1689-05)

Latrunculin A (Cat. No. 2181-100)

**USAGE:** *FOR RESEARCH USE ONLY! Not to be used in humans*