

Certificate of Analysis

PRODUCT:	Latrunculin A, C ₂₂ H ₃₁ NO ₅ S, M.W. 421.6, CAS# [76343-93-6]
PRODUCT NUMBER:	L-2471
LOT NUMBER:	L1084
APPEARANCE:	Off-white waxy solid (Note: 100 µg vials appear empty)
SOLUBILITY:	Soluble DMSO(25 mg/ml) or ethanol(25 mg/ml)
PURITY (HPLC):	>98%
NMR:	Conforms
PRODUCT DESCRIPTION:	Reversibly inhibits actin polymerization, microfilament organization and microfilament-mediated processes. Act via a different mechanism and 10- to 20-fold more potently than cytochalasins. Inhibits actin function in yeast cells. Induces actin depolymerization resulting in decreased reactive oxygen species levels and cell migration along with increased induction of apoptosis in breast carcinoma cells. Accelerates neurite formation in cultured hippocampal neurons. Cell permeable.
STORAGE & HANDLING:	Store desiccated at -20°C. CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: EV