



CERTIFICATE of ANALYSIS

PRODUCT:	Latrunculin B C ₂₀ H ₂₉ NO ₅ S, M.W. 395.5, CAS# [76343-94-7], MI: 14: 5378
PRODUCT NUMBER:	L-1057
LOT NUMBER:	B1437
APPEARANCE:	Lyophilized solid
SOLUBILITY:	Soluble in DMSO (25 mg/ml) or 100% ethanol (25 mg/ml).
PURITY (TLC):	≥98%
SOURCE/HOST:	Isolated from <i>Latrunculia magnifica</i> .
SOLUBILITY:	Soluble in DMSO (25 mg/ml) or 100% ethanol (25 mg/ml).
PRODUCT DESCRIPTION:	Structurally unique marine toxin. Actin filament modulator. 10- to 100-fold more potent than cytochalasins. Whereas cytochalasin D induces dissolution of F-actin and stress fiber contraction in fibroblasts in culture, latrunculin B causes a shortening and thickening of stress fibers. Effects on N1E-115 cells (mouse neuroblastoma) at concentrations as low as 90nM (NI43T3 cells, 0.9μM). Maximum effects at 2.5μM. Slowly inactivated by fetal bovine serum. Inhibition of cofilin-actin binding (ED ₅₀ ~ 50μM).
STORAGE & HANDLING:	Store, as supplied, at -20°C. Store solutions at -20°C for up to 3 months. <u>WARNING: TOXIC!</u> 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: DD