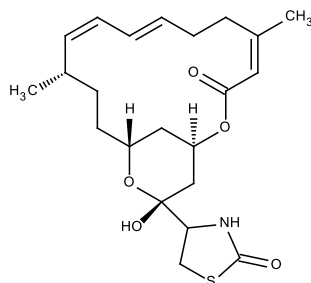


**Catalog # 10-2254**

**Latrunculin A**

CAS# 76343-93-6

Lot # FB1150



Inhibits actin polymerization and disrupts microfilament organization<sup>1</sup>. Significantly more potent than cytochalasins in the disruption of microfilament mediated processes.<sup>2</sup> Active in cell culture.<sup>3,4</sup>

- 1) Coue *et al.* (1987), *Inhibition of actin polymerization by latrunculin*; FEBS Lett., **213** 316
- 2) Spector *et al.* (1989), *Latrunculins-novel marine macrolides that disrupt microfilament organization and affect cell growth*; Cell Motil. Cytoskeleton, **13** 127
- 3) Wang *et al.* (2005), *Differential effects of latrunculin-A on myofibrils in cultures of skeletal muscle cells: Insights into mechanisms of myofibrillogenesis*; Cell Motil. Cytoskeleton, **62** 35
- 4) Reggiori *et al.* (2005), *The actin cytoskeleton is required for selective types of autophagy, but not for non-specific autophagy, in the yeast Saccharomyces cerevisiae*; Mol. Biol. Cell, **16** 5843

**PHYSICAL DATA**

Molecular Weight:	421.55
Molecular Formula:	C <sub>22</sub> H <sub>31</sub> NO <sub>5</sub> S
Purity:	>97% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**