



Catalog Number: MC11073

Product Type: Small Molecule

Bio-Activity: Microtubule stabilizing agent

CAS #: 33069-62-4

Research Categories: Cell death, cancer, neurodegeneration

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Ethanol (up to 20 mg/ml)

Molecular Formula: C₄₇H₅₁NO₁₄

Purity: > 98%

Molecular Weight: 853.9

Format: Powder

Ship Temp: Ambient

Storage: -20°C

Application Notes

Description/Data:

Induces tubulin polymerization and forms extremely stable and nonfunctional microtubules [1,2]. Induces apoptosis in a variety of cell lines [3]. Clinically useful antitumor agent [4]. Cell permeable. Active in cellular and animal models.

References:

- 1) EK Rowinsky et al. J. Natl. Cancer Inst. 1990 82:1247
- 2) S Rao et al. J. Biol. Chem. 1999 274:37990
- 3) TH Wang et al. Cancer 2000 88:2619
- 4) TM Mekhail and M Markman Expert Opin. Pharmacother. 2002 3:755

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