



Taxol

Data Sheet

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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