

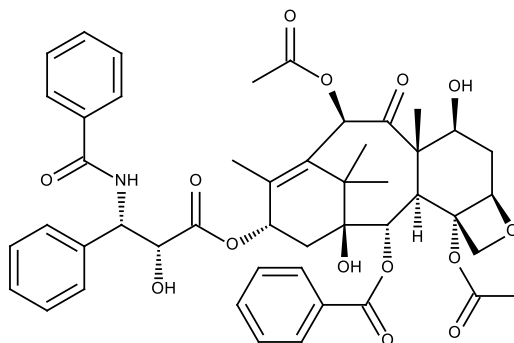
**Catalog # 10-2095**

**Taxol**

CAS# 33069-62-4

Paclitaxel

Lot # X101318



Taxol is a clinically useful cancer chemotherapeutic agent for the treatment of breast, non-small cell lung and ovarian cancer.<sup>1</sup> It acts as a promoter of tubulin polymerization and stabilizes microtubules in vitro and in vivo resulting in arrest of cells in the G2 and M phase of the cell cycle.<sup>2</sup>

- 1) Rowinsky and Donehower (1995) *Drug Therapy: Paclitaxel(Taxol)*. N.Engl.J.Med. **332** 1004
- 2) Schiff and Horwitz (1980) *Taxol stabilizes microtubules in mouse fibroblast cells* Proc.Nat.Acad.Sci.USA **77** 1561

**PHYSICAL DATA**

Molecular Weight:	853.91
Molecular Formula:	C <sub>47</sub> H <sub>51</sub> NO <sub>14</sub>
Purity:	>98% by TLC
	NMR: Conforms
Solubility:	DMSO (at least 50 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO 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.**