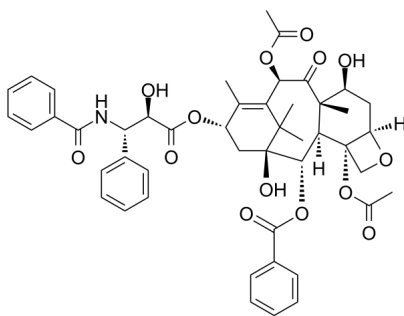


Data Sheet

Product Information

Catalog Number	BP22564
Product Name	Paclitaxel
Description	Paclitaxel is a naturally occurring antineoplastic agent and stabilizes tubulin polymerization. Paclitaxel can cause both mitotic arrest and apoptotic cell death. Paclitaxel also induces autophagy.
Targets&IC50	Traditional Cytotoxic Agents:
In vitro	Paclitaxel (20 nM; 48 hours) induces programmed cell death and exists a block at the G2/M phase of the cell cycle. Paclitaxel (20 nM; 48 hours) induces a consistent increase in the level of p53.
In vivo	Paclitaxel (1-20 mg/kg; i.p.; 1 time/2 days for five cycles) obviously induces liver metastases at the low-Paclitaxel group with little influence on primary tumor growth.
CAS No.	33069-62-4
Chemical Formula	C ₄₇ H ₅₁ NO ₁₄
Molecular Weight	853.91
Solubility	DMSO: 100 mg/mL (117.11 mM, Need ultrasonic) H ₂ O: < 0.1 mg/mL (insoluble)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure
OR
Tested Image



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