**Taxol**  
*Cat. No. 1097*

**Alternative Name:** Paclitaxel

**Chemical Name:** \([2aR\{2aa,4\beta,4a\beta,\alpha,9\alpha,11\alpha,12\alpha,12\alpha,12\beta,\alpha}\};-\beta-(Benzoylamino)-\alpha-hydroxy-6,12b-bis(acetoxy)-12-(benzoxyloxy)-2a,3,4,4a,5,6,9,10,11,12,12b-dodecahydro-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-7,11-methano-1H-cyclodeca[3,4]benz[1,2-b]oxe t-9-yl ester benzenepropanoic acid

**Biological Activity**

Antitumor agent; promotes and stabilizes tubulin polymerization, causing cell cycle arrest. Induces autocatalytic activation of caspase-10 in CCRF-HSB-2 cells, triggering apoptosis.

**Technical Data**

| **M.Wt:** | 853.92 |
| **Purity:** | >99 % |

| **Formula:** | C_{47}H_{51}NO_{14} |
| **Storage:** | Store at +4°C |

| **Solubility:** | Soluble to 25 mM in ethanol and to 100 mM in DMSO |
| **CAS No:** | 33069-62-4 |

The technical data provided above is for guidance only.

For batch specific data refer to the Certificate of Analysis.

**References**

Merck Index 12 7117.


If you know of a relevant citation for this product please let us know.

Keywords: Taxol, supplier, Promotes, assembly, inhibits, inhibitor, disassembly, microtubules, Tau, Tubulin, Mitosis, taxanes