



LKT Laboratories, Inc.

10-Deacetyltaxol

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID T0100

CAS No. 78432-77-6

Chemical Name

Synonym 10-Deacetylpaclitaxel

Formula $C_{45}H_{49}NO_{13}$

Formula Wt. 811.87

Melting Point

Purity $\geq 98\%$

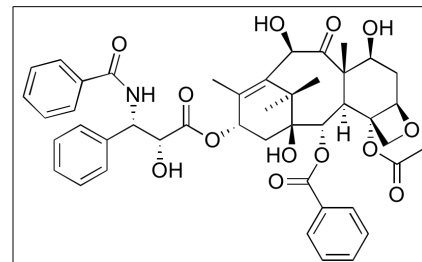
Solubility Soluble in organic solvents.

Store Temp $-20^{\circ}C$

Ship Temp Ambient

Description

10-Deacetyltaxol is a taxane found in *Taxus* that exhibits nephroprotective and anticancer activities. Like other taxanes, this compound binds tubulin and promotes microtubule assembly, preventing depolymerization. In animal models of polycystic kidney disease, 10-deacetyltaxol inhibits disease progression. This compound also inhibits growth of cervical carcinoma cells, glioblastoma cells, and neuroblastoma cells.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T0100	5 mg	\$436.80
T0100	10 mg	\$698.80
T0100	25 mg	\$1501.00

References Ueda JY, Awale S, Tezuka Y, et al. Growth inhibitory activity of wood of *Taxus yunnanensis* and its liquid chromatography Fourier-transform mass spectrometry analysis. *Planta Med.* 2006 Oct;72(13):1241-4. PMID: 16902867.

Shen YC, Chen YJ, Chen CY. Taxane diterpenoids from the seeds of Chinese yew *Taxus chinensis*. *Phytochemistry.* 1999 Dec;52(8):1565-9. PMID: 10647221.

Woo DD, Tabancay AP Jr, Wang CJ. Microtubule active taxanes inhibit polycystic kidney disease progression in cpk mice. *Kidney Int.* 1997 May;51(5):1613-8. PMID: 9150481.

Helson L. Cephalomannine and 10-deacetyltaxol cytotoxicity in human glial and neuroblastoma cell-lines. *Int J Oncol.* 1993 Feb;2(2):297-9. PMID: 21573554

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.