



LKT Laboratories, Inc.

## 7-Acetyl Paclitaxel

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### Product Information

Product ID T1010

CAS No. 92950-39-5

Chemical Name 7-Acetyl Paclitaxel

Synonym Paclitaxel, 7-acetyl; 7-Acetyltaxol

Formula  $C_{49}H_{53}NO_{15}$

Formula Wt. 895.96

Melting Point

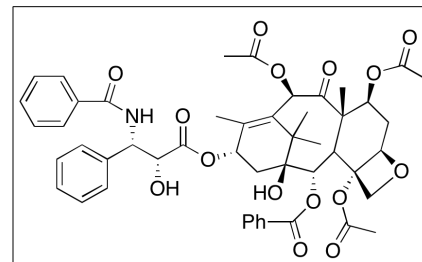
Purity  $\geq 98\%$

Solubility

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

Ship Temp Ambient

Description An impurity of the chemotherapy drug paclitaxel.



### Pricing and Availability

*Bulk quantities available upon request*

| Product ID | Size  | List Price |
|------------|-------|------------|
| T1010      | 1 mg  | \$553.70   |
| T1010      | 5 mg  | \$2024.20  |
| T1010      | 10 mg | \$3334.00  |
| T1010      | 25 mg | \$6548.90  |

**References** Nicolaou K, Yang Z, Liu J, et al. Total synthesis of taxol. *Nature*. 1994 Feb 17;367(6464):630-634. PMID: 7906395.

Nicolaou K, Valiulin R. Synthesis and biological evaluation of new paclitaxel analogs and discovery of potent antitumor agents. *Org Biomol Chem*. 2013 Jul 7;11(25):4154-4163. PMID: 23685867.

Sanchez-Munoz R, Perez-Mata E, Almagro L, et al. A novel hydroxylation step in the taxane biosynthetic pathway: a new approach to paclitaxel production by synthetic biology. *Front Bioeng Biotechnol*. 2020 May 13;8::410. PMID: 32528936.

Guo B, Kai G, Jin H, et al. Taxol synthesis. *African J Biotechnol*. 2006 Jan 2;5(1):15-20.

Wang T, Chen Y, Zhuang W, et al. Transcriptome sequencing reveals regulatory mechanisms of taxol synthesis in *Taxus wallichiana* var. *Mairei*. *Int J Genomics*. 2019 May 2;2019:1596895. PMID: 31192250.

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