



LKT Laboratories, Inc.

10-Acetoacetyl Paclitaxel

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Product Information

Product ID T1006

CAS No.

Chemical Name (2aR,4S,4aS,6R,9S,11S,12S,12aR,12bS)-12b-acetoxy-9-(((2R,3R)-3-benzamido-2-hydroxy-3-phenylpropanoyl)oxy)-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-6-((3-oxobutanoyl)oxy)

Synonym Paclitaxel, acetoacetyl; 10-Acetoacetyl Abraxane; 10-Acetoacetyl Genaxol; 10-Acetoacetyl Genetaxyl; 10-Acetoacetyl Onxal; 10-Acetoacetyl Pacliex; 10-Acetoacetyl (-)-Paclitaxel; 10-Acetoacetyl Taxol

Formula C₄₉H₅₃NO₁₅

Formula Wt. 895.94

Melting Point

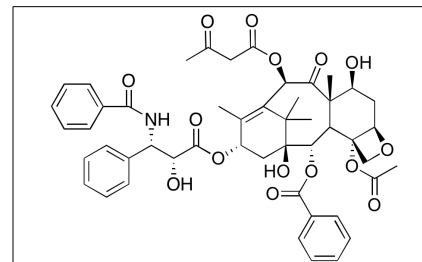
Purity ≥95%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description 10-Acetoacetyl Paclitaxel is an impurity of the chemotherapy drug paclitaxel.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T1006	1 mg	\$674.90
T1006	5 mg	\$2465.90
T1006	10 mg	\$4153.20
T1006	25 mg	\$8306.30

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.