



LKT Laboratories, Inc.

2-Debenzoyl Paclitaxel-2-(2-Methyl-2-Butenoate)

Phone: 888-558-5227

651-644-8424

Fax: 888-558-7329

Email: getinfo@lktlabs.com

Web: lktlabs.com

Product Information

Product ID T1002

CAS No. 173101-54-7

Chemical Name 2-Debenzoyl Paclitaxel-2-(2-Methyl-2-Butenoate)

Synonym Paclitaxel 2-debenzoyl-2-(2-methyl-2-butenate); Paclitaxel 2-debenzoyl pentenoate; iso-cephalomannine; paclitaxel impurity A

Formula C₄₅H₅₃NO₁₄

Formula Wt. 831.9

Melting Point

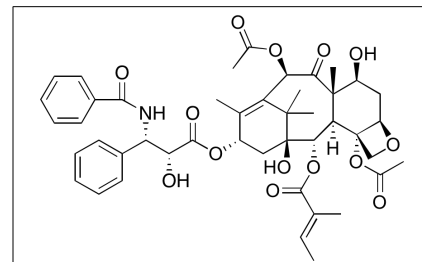
Purity ≥95%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description 2-Debenzoyl Paclitaxel-2-(2-Methyl-2-Butenoate) is an impurity of the chemotherapy drug paclitaxel. Is also known as paclitaxel impurity A or iso-cephalomannine.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
T1002	1 mg	\$579.20
T1002	5 mg	\$2125.90
T1002	10 mg	\$3406.90
T1002	25 mg	\$6677.60

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.