



LKT Laboratories, Inc.

13-TES-Baccatin III

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID T1012

CAS No. 208406-86-4

Chemical Name Baccatin III 13-O-(triethylsilyl)

Synonym Baccatin III, 13-TES; (2aS,4S,4aS,6R,9S,11S,12S,12aR,12bS)-12-(benzoyloxy)-4,11-dihydroxy-4a,8,13,13-tetramethyl-5-oxo-9-((triethylsilyl)oxy)-3,4,4a,5,6,9,10,11,12,12a-decahydro-1H-7,11-methanocyclodeca[3,4]benzo[1,2-b]pyrido[6,12b]2,3-hydroindol-1-one

Formula C₃₇H₅₂O₁₁Si

Formula Wt. 700.90

Melting Point

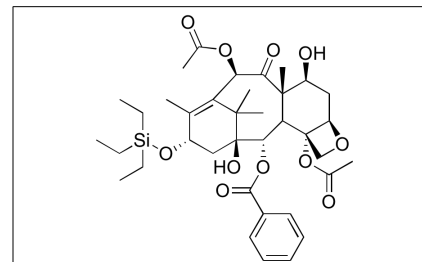
Purity ≥98%

Solubility

Store Temp -20°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
T1012	1 mg	\$320.30
T1012	5 mg	\$1144.70
T1012	10 mg	\$1839.80
T1012	25 mg	\$3406.90

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.