



Product Information

Product ID I4800

CAS No. 152459-95-5

Chemical Name

Synonym

Formula $C_{29}H_{31}N_7O$

Formula Wt. 493.62

Melting Point

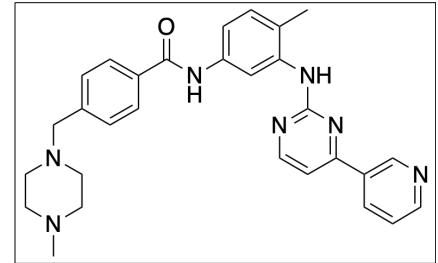
Purity $\geq 98\%$

Solubility

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

Ship Temp Ambient

Description Imatinib is an anticancer chemotherapeutic compound that inhibits Abl, c-Kit, and PDGFR; it is used clinically to treat Philadelphia chromosome-positive chronic myelogenous leukemia (CML) and acute lymphocytic leukemia (ALL). In cellular assays, imatinib accelerates erythroblast differentiation and inhibits melanogenesis.



Product ID	Size
I4800	25 mg
I4800	100 mg
I4800	500 mt

References Wang Y, Zhao Y, Liu L, et al. Inhibitory effects of imatinib mesylate on human epidermal melanocytes. *Clin Exp Dermatol.* 2014 Mar;39(2):202-8. PMID: 24479586.

D'allard D, Gay J, Descarpentries C, et al. Tyrosine kinase inhibitors induce down-regulation of c-Kit by targeting the ATP pocket. *PLoS One.* 2013 Apr 23;8(4):e60961. PMID: 23637779.

Gambacorti-Passerini CB, Gunby RH, Piazza R, et al. Molecular mechanisms of resistance to imatinib in Philadelphia-chromosome-positive leukaemias. *Lancet Oncol.* 2003 Feb;4(2):75-85. PMID: 12573349.

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