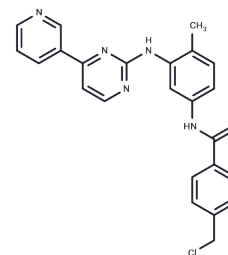


Imatinib impurities3

Chemical Properties

CAS No. :	404844-11-7
Formula:	C ₂₄ H ₂₀ ClN ₅ O
Molecular Weight:	429.9
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Imatinib impurities3 is a protein kinases inhibitor with IC ₅₀ values of 6.95uM, 0.245uM, 0.139uM for ABL1 wt, KIT wt, PDGFRR wt, respectively.
Targets(IC ₅₀)	Bcr-Abl,c-Kit,PDGFR

Solubility Information

Solubility	DMSO: 55 mg/mL (127.94 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3261 mL	11.6306 mL	23.2612 mL
5 mM	0.4652 mL	2.3261 mL	4.6522 mL
10 mM	0.2326 mL	1.1631 mL	2.3261 mL
50 mM	0.0465 mL	0.2326 mL	0.4652 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Leproult E, et al. Cysteine mapping in conformationally distinct kinase nucleotide binding sites: application to the design of selective covalent inhibitors. J Med Chem. 2011 Mar 10;54(5):1347-55.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481