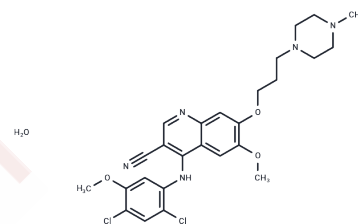


Bosutinib hydrate

Chemical Properties

CAS No. :	918639-08-4
Formula:	C ₂₆ H ₃₁ Cl ₂ N ₅ O ₄
Molecular Weight:	548.46
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Bosutinib hydrate (SKI-606 hydrate) is an orally active and potent dual kinase inhibitor of BCR-ABL and Src tyrosine kinases for the study of Philadelphia Chromosome Positive Chronic Granulocytic Leukemia.
Targets(IC50)	Bcr-Abl,Src
In vitro	Bosutinib hydrate(SKI-606)was a inhibitor of two Src-related kinases (i.e., Fgr and Lyn with IC50s of 0.174 and 0.850 nmol/L, respectively)[2].
In vivo	Administration of Bosutinib hydrate(SKI-606) at doses of 75 mg/kg twice daily or 150 mg/kg once daily can promote complete regression of human K562 xenografts for up to 40 days[2].

Solubility Information

Solubility	DMSO: 80 mg/mL (145.86 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8233 mL	9.1164 mL	18.2329 mL
5 mM	0.3647 mL	1.8233 mL	3.6466 mL
10 mM	0.1823 mL	0.9116 mL	1.8233 mL
50 mM	0.0365 mL	0.1823 mL	0.3647 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

Jorge E Cortes, et al. Bosutinib versus imatinib in newly diagnosed chronic-phase chronic myeloid leukemia: results from the BELA trial. *J Clin Oncol.* 2012 Oct 1;30(28):3486-92.

Miriam Puttini, et al. In vitro and in vivo activity of SKI-606, a novel Src-Abl inhibitor, against imatinib-resistant Bcr-Abl+ neoplastic cells. *Cancer Res.* 2006 Dec 1;66(23):11314-22.

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