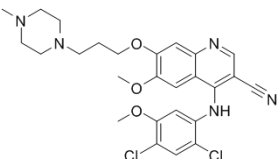


Product Name	: Bosutinib	
Synonyms	: SKI 606	
Cat No.	: M14314	
CAS Number	: 380843-75-4	
Molecular Formula	: C ₂₆ H ₂₉ Cl ₂ N ₅ O ₃	
Formula Weight	: 530.45	
Chemical Name	4-(2,4-dichloro-5-methoxyphenylamino)-6-methoxy-7-(3-(4-methylpiperazin-1-yl)propoxy)quinoline-3-carbonitrile	
Description	Bosutinib is a Bcr-Abl kinase inhibitor for the treatment of Philadelphia chromosome-positive (Ph+) chronic myelogenous leukemia (CML). Compared to other tyrosine kinase inhibitors, it has a more favourable hematologic toxicity profile. FDA approved on September 4, 2012.	
Pathway	Tyrosine Kinase	
Target	Bcr-Abl	
Receptor	Abl; MAPK; c-Src	
Solubility	Ethanol: 2 mg/mL (3.77 mM); DMSO: 100 mg/mL (188.51 mM)	
SMILES	<chem>N#CC1=C(NC2=CC(OC)=C(Cl)C=C2Cl)C3=CC(OC)=C(OCCCN4CCN(C)CC4)C=C3N=C1</chem>	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference	:	

1. Remsing Rix LL, et al. Leukemia. 2009 Mar;23(3):477-85. .