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DATASHEET

Bosutinib

Product overview

Name	Bosutinib
Cat No	HB1323
Alternative names	SKI-606
Biological action	Inhibitor
Purity	>99%
Description	Abl / Src kinase inhibitor

Biological Data

Biological description	Abl and Src kinase inhibitor (IC ₅₀ values are 1.2 and 2.4 nM for Src and Abl respectively). Selective for Src family kinases. Shows actions against chronic myeloid leukemia (CML). Shows antiproliferative and anti-tumor actions.
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Solubility & Handling

Storage instructions	+4 °C
Solubility overview	Soluble in DMSO (100mM) or ethanol (25mM)
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Chemical name	4-[(2,4-Dichloro-5-methoxyphenyl)amino]-6-methoxy-7-[3-(4-methyl-1-piperazinyl)propoxy]-3-quinoline carbonitrile
Molecular Weight	530.45
Chemical structure	
Molecular Formula	C ₂₆ H ₂₉ Cl ₂ N ₅ O ₃
CAS Number	380843-75-4
PubChem identifier	5328940
SMILES	<chem>C1C=CC(Cl)=C(OC)C=C1NC3=C(C#N)C=NC2=CC(OCCCN4CCN(C)CC4)=C(OC)C=C23</chem>
InChiKey	UBPYILGKFZZVDX-UHFFFAOYSA-N

References

Profile of bosutinib and its clinical potential in the treatment of chronic myeloid leukemia.

Amsberg GK *et al* (2013) Onco Targets Ther 6

PubMedID [23493838](#)

Optimization of 4-phenylamino-3-quinolinecarbonitriles as potent inhibitors of Src kinase activity.

Boschelli DH *et al* (2001) J Med Chem 44(23)

PubMedID [11689083](#)

