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## DATASHEET

Bosutinib

### Product overview

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

### Biological Data

<b>Biological description</b>	Abl and Src kinase inhibitor (IC <sub>50</sub> 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

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

### Chemical Data

<b>Chemical name</b>	4-[(2,4-Dichloro-5-methoxyphenyl)amino]-6-methoxy-7-[3-(4-methyl-1-piperazinyl)propoxy]-3-quinoline carbonitrile
<b>Molecular Weight</b>	530.45
<b>Chemical structure</b>	
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>29</sub> Cl <sub>2</sub> N <sub>5</sub> O <sub>3</sub>
<b>CAS Number</b>	380843-75-4
<b>PubChem identifier</b>	5328940
<b>SMILES</b>	C1C1=CC(Cl)=C(OC)C=C1NC3=C(C#N)C=NC2=CC(OCCCN4CCN(C)CC4)=C(OC)C=C23
<b>InChiKey</b>	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](#)

