



Catalog # 10-2126

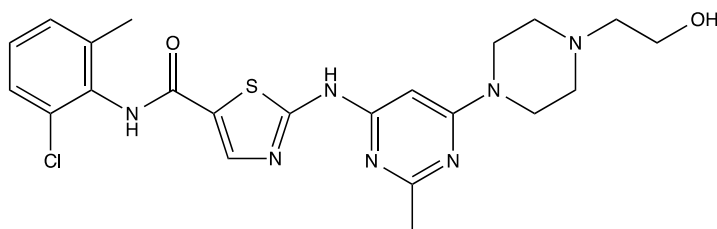
Dasatinib

CAS# 302962-49-8

BMS-354825

N-(2-Chloro-6-methylphenyl)-2-(6-(4-(2-hydroxyethyl)-piperazin-1-yl)-2-methylpyrimidin-4-ylamino) thiazole-5-carboxamide

Lot # X105911



Inhibits Src, Bcl/Abl and Lyn tyrosine kinases (IC_{50} = 0.55, 3.0 and 8.5 nM respectively^{1,2}. Suppresses invasion and induces cell cycle arrest and apoptosis of head and neck squamous cell carcinoma and non-small cell lung cancer cells³.

- 1) Lombardo *et al.* (2004), *Discovery of N-2-chloro-6-methyl-phenyl)-2-(6-(4-(2-hydroxyethyl)-piperazin-1-yl)-2-methylpyrimidin-4-ylamino)thiazole-5-carboxamide (BMS-354825), a dual Src/Abl kinase inhibitor with potent antitumor activity in preclinical assays*; J. Med. Chem., **47** 6658
- 2) Nam *et al.* (2005), *Action of the Src family kinase inhibitor dasatinib (BMS-354825), on human prostate cancer cells*; Cancer Res., **65** 9185
- 3) Johnson *et al.* (2005), *Dasatinib (BMS-354825) tyrosine kinase inhibitor suppresses invasion and induces cell cycle arrest and apoptosis of head and neck squamous cell carcinoma and non-small cell lung cancer cells*; Clin. Cancer Res., **11** 6924

PHYSICAL DATA

Molecular Weight:	488.01
Molecular Formula:	C ₂₂ H ₂₆ ClN ₇ O ₂ S
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 200 mg/ml)
Physical Description:	White or off-white solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

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