



# Data Sheet

Research Use Only

## Compound Name

Dasatinib

## Catalog Number

SM45

## Activity

Dasatinib is a novel, potent and multi-targeted inhibitor that targets Abl, Src and c-Kit.

## Purity

>99%

## Formula

$C_{22}H_{26}ClN_7O_2S$

## Solubility

DMSO

## Alternative Names

BMS-354825, Sprycel, N-(2-chloro-6-methylphenyl)-2-(6-(4-(2-hydroxyethyl)piperazin-1-yl)-2-methylpyrimidin-4-ylamino)thiazole-5-carboxamide

## Effect

Dasatinib treatment inhibits SRC signaling, decreases growth, and induces cell cycle arrest and apoptosis in a subset of thyroid cancer stem cells.

## CAS

302962-49-8

## Molecular Weight

488.01

## Stability

Stable at -20°C. Keep away from direct sunlight.

## References

1. Ma, t., et al. 2013. Circ Res. 112(3): 562-574. PMID: 23371904
2. Dos Santos, C., et al. 2013. Blood. 122(11): 1900-1913. PMID: 23896410