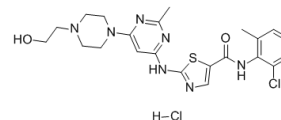


Product Name	: Dasatinib hydrochloride
Synonyms	: BMS-354825 hydrochloride; BMS354825 hydrochloride; BMS 354825 hydrochloride
Cat No.	: M16201
CAS Number	: 854001-07-3
Molecular Formula	: C ₂₂ H ₂₇ Cl ₂ N ₇ O ₂ S
Formula Weight	: 524.47
Chemical Name	: 5-Thiazolecarboxamide, N-(2-chloro-6-methylphenyl)-2-[[6-[4-(2-hydroxyethyl)-1-piperazinyl]-2-methyl-4-pyrimidinyl]amino]-, hydrochloride (1:1)
Description	A potent, orally bioavailable, dual Src/Abl kinase inhibitor with IC₅₀ of 0.5, 0.4, 0.5 and <1 nM for Src, Lck, Yes and Bcr-Abl, respectively; exhibits two-log increased potency relative to imatinib and retains activity against 14 of 15 imatinib-resistant BCR-ABL mutants; prolongs survival of mice with BCR-ABL-driven disease and inhibits proliferation of BCR-ABL-positive bone marrow progenitor cells from patients with imatinib-sensitive and imatinib-resistant CML. Blood Cancer Approved
Pathway	: Angiogenesis
Target	: Bcr-Abl
Receptor	: Bcr-Abl
Solubility	: DMSO: 15 mg/mL
SMILES	: <chem>CC1=C(C(=CC=C1)Cl)NC(=O)C2=CN=C(S2)NC3=CC(=NC(=N3)C)N4CCN(CC4)CCO.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Shah NP, et al. Science. 2004 Jul 16;305(5682):399-401. | 2. Schittenhelm MM, et al. Cancer Res. 2006 Jan 1;66(1):473-81. | 3. Johnson FM, et al. Clin Cancer Res. 2005 Oct 1;11(19 Pt 1):6924-32. | 4. Lombardo LJ, et al. J Med Chem. 2004 Dec 30;47(27):6658-61.