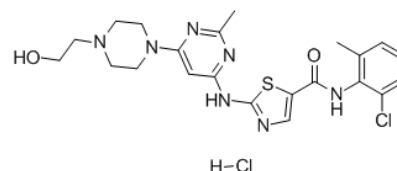


Product Name : Dasatinib hydrochloride
Cat. No. : PC-42427
CAS No. : 854001-07-3
Molecular Formula : C₂₂H₂₇Cl₂N₇O₂S
Molecular Weight : 524.4665
Target : Bcr-Abl
Solubility : DMSO: 15 mg/mL
4. Lombardo LJ, et al. J Med Chem. 2004 Dec 30;47(27):6658-61.



Biological Activity

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

References

- Shah NP, et al. Science. 2004 Jul 16;305(5682):399-401.
Schittenhelm MM, et al. Cancer Res. 2006 Jan 1;66(1):473-81.
Johnson FM, et al. Clin Cancer Res. 2005 Oct 1;11(19 Pt 1):6924-32.

