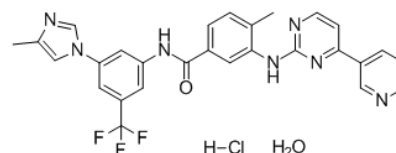


Product Name : Nilotinib monohydrochloride monohydrate
Cat. No. : PC-42408
CAS No. : 923288-90-8
Molecular Formula : C₂₈H₂₅ClF₃N₇O₂
Molecular Weight : 583.992
Target : Bcr-Abl
Solubility : DMSO: ≥ 33 mg/mL
4. Stover EH, et al. Blood. 2005 Nov 1;106(9):3206-13.



Biological Activity

A potent, selective, orally available inhibitor of both native and mutant Bcr-Abl with IC₅₀ of 20-80 nM; inhibits proliferation of Ba/F3 cells expressing G250E, E255K(V), F317L, M351T, F486S, M244V, L248R, Q252H, Y253H, E255K, E279K, E282D, V289S, and L348M Bcr-Abl mutants at <1 μM; also inhibits activated forms of PDGFR and c-Kit with IC₅₀ of 30-200 nM; prolongs survival of mice with leukemia due to imatinib-resistant mutants of Bcr-Abl.

Blood Cancer
Approved

References

- Weisberg E, et al. Cancer Cell. 2005 Feb;7(2):129-41.
O'Hare T, et al. Cancer Res. 2005 Jun 1;65(11):4500-5.
Golemovic M, et al. Clin Cancer Res. 2005 Jul 1;11(13):4941-7.

