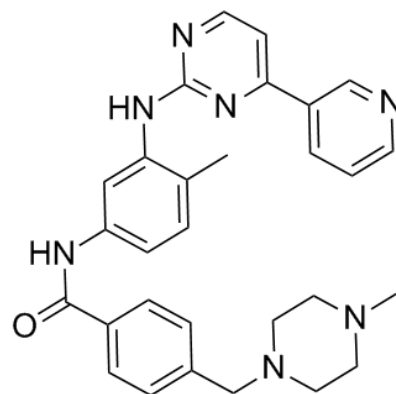


Product Name : Imatinib
Cat. No. : PC-44438
CAS No. : 152459-95-5
Molecular Formula : C₂₉H₃₁N₇O
Molecular Weight : 493.6028
Target : Bcr-Abl
Solubility : DMSO: 40 mg/mL



Biological Activity

Imatinib (STI571) is a multi-kinase inhibitor of v-Abl, c-Kit and PDGFR with IC₅₀ of 0.6 μM, 0.1 μM and 0.1 μM in cell-free or cell-based assays.

Imatinib (STI571) inhibits the SLF-dependent activation of wild-type c-kit kinase activity with IC₅₀ of 0.1 μM.

Imatinib (STI571) exhibits growth-inhibitory activity on NCI-H727 cell and BON-1 cell with IC₅₀ of 32.4 and 32.8 μM, respectively; active in vivo.

References

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Heinrich MC, et al. *Blood*. 2000, 96(3), 925-932.

Druker BJ, et al. *Nat Med*. 1996 May;2(5):561-6.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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