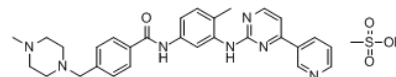


Product Name : Imatinib mesylate
Cat. No. : PC-45914
CAS No. : 220127-57-1
Molecular Formula : C₃₀H₃₅N₇O₄S
Molecular Weight : 589.7084
Target : Bcr-Abl
Solubility : DMSO: ≥ 49 mg/mL



Biological Activity

Imatinib mesylate (CGP-57148B, STI-571) is a n orally bioavailability mesylate salt of Imatinib, which is a multi-kinase inhibitor of **v-Abl**, **c-Kit** and **PDGFR** with IC₅₀ of 0.6 uM, 0.1 uM and 0.1 uM in cell-free or cell-based assays. Imatinib mesylate inhibits the SLF-dependent activation of wild-type c-kit kinase activity with IC₅₀ of 0.1 uM. Imatinib mesylate exhibits growth-inhibitory activity on NCI-H727 cell and BON-1 cell with IC₅₀ of 32.4 and 32.8 uM, respectively; active in vivo.

References

- Yao JC, et al. *Clin Cancer Res*. 2007, 13(1), 234-240.
 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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