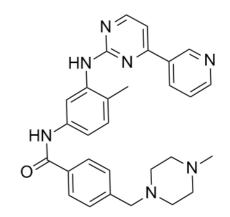


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Product Name	:	Imatinib
Cat. No.	:	PC-44438
CAS No.	:	152459-95-5
Molecular Formula	:	C <sub>29</sub> H <sub>31</sub> N <sub>7</sub> O
Molecular Weight	:	493.6028
Target	:	Bcr-Abl
Solubility	:	DMSO: 40 mg/mL

## **Data Sheet**

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## **Biological Activity**

Imatinib (STI571) 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 (STI571) inhibits the SLF-dependent activation of wild-type c-kit kinase activity with IC50 of 0.1 uM. Imatinib (STI571) 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! E-mail: tech@probechem.com