

Catalog	Unit
TBI1060 - 20MG	20 mg
TBI1060 - 100MG	100 mg

Product Details

Formal Name: 4-[(4-Methyl-1-piperazinyl)methyl]-N-[4-methyl-3-[[4-(3-pyridinyl)-2-pyrimidinyl]amino]phenyl]benzamide methanesulfonate.

Alternate Name: Gleevec; STI571

Molecular Formula: C₂₉H₃₁N₇O•CH₃SO₃H.

Formula Weight: 589.73.

CAS Number: 220127-57-1

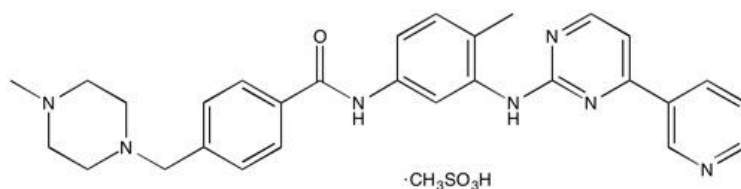
Purity: ≥98%

Formulation: Powder.

Solubility: Soluble in DMSO or water (up to 50 mg/ml).

Storage: -20°C.

Stability: ≥ 2 years.



Applications

BCR-ABL inhibitor.

Functions

Imatinib is a tyrosine kinase inhibitor specific for abl (IC₅₀ = 0.038 μM), PDGF-R (IC₅₀ = 0.3 μM) and c-kit (IC₅₀ = 0.1 μM). It is a clinically useful anti-cancer drug approved for the treatment of chronic myelogenous leukemia, gastrointestinal stromal tumors as well as several other cancers.

Application Procedures

Imatinib can be first dissolved in DMSO or water (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

Relative Products

TBI1092	AICAR, AMPK activator
TBI2069	Cytochalasin B
TBI2073	Forskolin, Adenylate cyclase activator
TBI1286	Bestatin, Aminopeptidase inhibitor
TBI1029	Dorsomorphin, AMPK inhibitor
TBI1368	Pepstatin, Aspartic protease inhibitor
TBI1319	BML-288, PDE2 Inhibitor
TBI2584	Cilostamide, PDE3 Inhibitor
TBI1131	Cilostazol, PDE3A Inhibitor

For research use only.