

## Imatinib Mesylate

Cat. No. CEI-0271

Lot. No. (See product label)

### Introduction

**Description** Imatinib Mesylate inhibits c-kit, PDGFR and c-ABL by perfectly binding to adenosine triphosphate (ATP)-binding sites of the c-kit protooncogene product, platelet-derived growth factor receptor (PDGFR), and abelson kinase (c-ABL).

**Synonyms** Glivec, CGP-57148B, STI-571

### Product Information

**CAS No.** 220127-57-1

**Molecular Formula** C<sub>29</sub>H<sub>31</sub>N<sub>7</sub>O<sub>3</sub>·CH<sub>4</sub>SO<sub>3</sub>

**Chemical Name** N-(4-methyl-3-(4-(pyridin-3-yl)pyrimidin-2-ylamino)phenyl)-4-((4-methylpiperazin-1-yl)methyl)benzamide methanesulfonic acid

**Molecular Weight** 589.71

**Purity** >99%

**Targets** v-Abl, c-Kit, PDGFR

**Solubility** DMSO 118 mg/mL Water 118 mg/mL Ethanol

### Storage and Shipping Information

**Storage** 2 years at -20centigrade Powder