

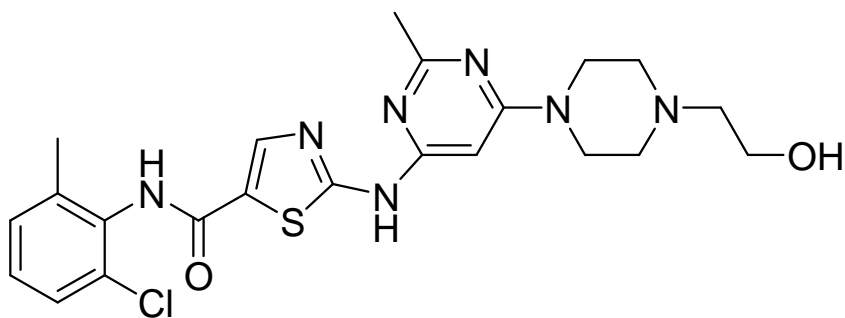
SYMANSIS™

**Product Data Sheet**

**Compound Name**

**Dasatinib**

**Structure**



**CAS Number**

[302962-49-8]

**Chemical Formula:**

C<sub>22</sub>H<sub>26</sub>ClN<sub>7</sub>O<sub>2</sub>S

**Molecular Weight:**

488.01

**Background information**

Mode of Action

Kinase Inhibitor

Molecular Target(s)

BCRABL, SRC, Ephrins, GFR

Susceptible genotypes

Responses were seen in patients with all BCR/ABL genotypes, with the exception of T315I mutation, which confers resistance to both dasatinib, nilotinib and imatinib *in vitro*.

Development stage

Phase III

**References**

*Dasatinib in imatinib-resistant Philadelphia chromosome-positive leukemias.* Talpaz M, Shah N, Kantarjian H, Donato N, Nicoll J, Paquette R, Cortes J, O'Brien S, Nicaise C, Bleickardt E, Blackwood-Chirchir M, Iyer V, Chen T, Huang F, Decillis A, Sawyers C. **N.Engl.J.Med.** 354(24), 2531-41 (2006).