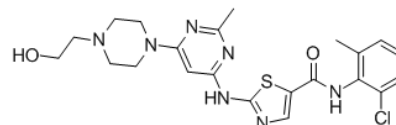


**Product Name** : Dasatinib  
**Cat. No.** : PC-42426  
**CAS No.** : 302962-49-8  
**Molecular Formula** : C<sub>22</sub>H<sub>26</sub>ClN<sub>7</sub>O<sub>2</sub>S  
**Molecular Weight** : 488.0056  
**Target** : Bcr-Abl  
**Solubility** : DMSO: 35.35 mg/mL



## Biological Activity

Dasatinib (BMS-354825) is a potent, orally bioavailable, dual **Src/Abl** kinase inhibitor with IC<sub>50</sub> of 0.5, 0.4, 0.5 and <1 nM for Src, Lck, Yes and Bcr-Abl, respectively.

Dasatinib (BMS-354825) exhibits two-log increased potency relative to imatinib and retains activity against 14 of 15 imatinib-resistant BCR-ABL mutants.

Dasatinib (BMS-354825) prolongs survival of mice with BCR-ABL-driven disease and inhibits proliferation of BCR-ABL-positive bone marrow progenitor cells from patients with imatinib-sensitive and imatinib-resistant CML.

## References

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Johnson FM, et al. *Clin Cancer Res*. 2005 Oct 1;11(19 Pt 1):6924-32.

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**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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