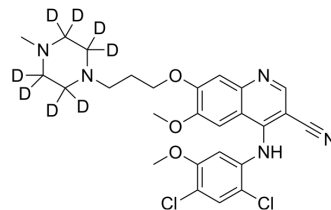


Bosutinib-d₈

Cat. No.:	HY-10158S		
Molecular Formula:	C ₂₆ H ₂₁ D ₈ Cl ₂ N ₅ O ₃		
Molecular Weight:	538.5		
Target:	Src; Bcr-Abl; Autophagy; Isotope-Labeled Compounds		
Pathway:	Protein Tyrosine Kinase/RTK; Autophagy; Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	Bosutinib-d ₈ is a deuterium labeled Bosutinib. Bosutinib is a dual Src/Abl inhibitor with IC ₅₀ s of 1.2 nM and 1 nM, respectively[1][2].
IC ₅₀ & Target	IC ₅₀ : 1.2 nM (Src), 1 nM (Abl) ^[1]

REFERENCES

- [1]. Boschelli DH, et al. Optimization of 4-phenylamino-3-quinolinecarbonitriles as potent inhibitors of Src kinase activity. *J Med Chem*, 2001, 44(23), 3965-3977.
- [2]. Golas JM, et al. SKI-606, a 4-anilino-3-quinolinecarbonitrile dual inhibitor of Src and Abl kinases, is a potent antiproliferative agent against chronic myelogenous leukemia cells in culture and causes regression of K562 xenografts in nude mice. *Cancer Res*, 2003, 63(2), 375-381.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA