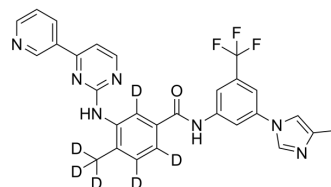


## Nilotinib-d<sub>6</sub>

Cat. No.:	HY-10159S		
CAS No.:	1268356-17-7		
Molecular Formula:	C <sub>28</sub> H <sub>16</sub> D <sub>6</sub> F <sub>3</sub> N <sub>7</sub> O		
Molecular Weight:	535.55		
Target:	Bcr-Abl; Autophagy		
Pathway:	Protein Tyrosine Kinase/RTK; Autophagy		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (233.40 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.8672 mL	9.3362 mL	18.6724 mL
5 mM	0.3734 mL	1.8672 mL	3.7345 mL
10 mM	0.1867 mL	0.9336 mL	1.8672 mL

Please refer to the solubility information to select the appropriate solvent.

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.08 mg/mL (3.88 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Nilotinib-d<sub>6</sub> is a deuterium labeled Nilotinib. Nilotinib is an orally available Bcr-Abl tyrosine kinase inhibitor with antineoplastic activity[1].

### REFERENCES

- [1]. Weisberg E, et al. Beneficial effects of combining nilotinib and imatinib in preclinical models of BCR-ABL+ leukemias. Blood. 2007 Mar 1;109(5):2112-20.

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

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