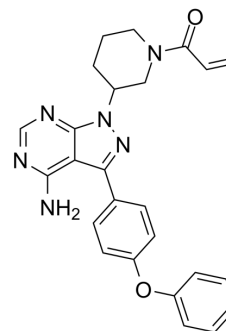


## Ibrutinib Racemate

Cat. No.:	HY-10997A
CAS No.:	936563-87-0
Molecular Formula:	C <sub>25</sub> H <sub>24</sub> N <sub>6</sub> O <sub>2</sub>
Molecular Weight:	440.5
Target:	Btk
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 25 mg/mL (56.75 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.2701 mL	11.3507 mL	22.7015 mL
				5 mM	0.4540 mL	2.2701 mL	4.5403 mL
				10 mM	0.2270 mL	1.1351 mL	2.2701 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.68 mM); Clear solution						
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (5.68 mM); Clear solution						
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.68 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	Ibrutinib Racemate (PCI-32765 Racemate) is the racemate of Ibrutinib. Ibrutinib is a selective, irreversible Btk inhibitor with IC <sub>50</sub> value of 0.5 nM.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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