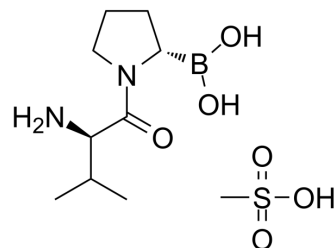


## Talabostat isomer mesylate

<b>Cat. No.:</b>	HY-13233B
<b>Molecular Formula:</b>	C <sub>10</sub> H <sub>23</sub> BN <sub>2</sub> O <sub>6</sub> S
<b>Molecular Weight:</b>	310.18
<b>Target:</b>	Dipeptidyl Peptidase
<b>Pathway:</b>	Metabolic Enzyme/Protease
<b>Storage:</b>	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (322.39 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2239 mL	16.1197 mL	32.2393 mL
	5 mM	0.6448 mL	3.2239 mL	6.4479 mL
	10 mM	0.3224 mL	1.6120 mL	3.2239 mL

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

#### In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline  
Solubility: ≥ 2.5 mg/mL (8.06 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)  
Solubility: ≥ 2.5 mg/mL (8.06 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil  
Solubility: ≥ 2.5 mg/mL (8.06 mM); Clear solution

### BIOLOGICAL ACTIVITY

#### Description

Talabostat isomer mesylate is an isomer of talabostat mesylate. Talabostat (PT100, Val-boroPro) is a potent, nonselective and orally available dipeptidyl peptidase IV (DPP-IV) inhibitor with a K<sub>i</sub> of 0.18 nM.

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

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