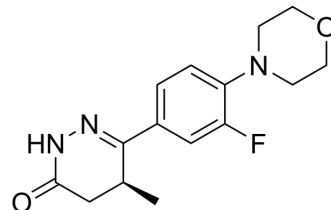


(S)-BRD9500

Cat. No.:	HY-136350B
CAS No.:	1630760-76-7
Molecular Formula:	C ₁₅ H ₁₈ FN ₃ O ₂
Molecular Weight:	291.32
Target:	Others
Pathway:	Others
Storage:	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 : 200 mg/mL (686.53 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		3.4327 mL	17.1633 mL	34.3265 mL
		5 mM		0.6865 mL	3.4327 mL	6.8653 mL
10 mM		0.3433 mL	1.7163 mL	3.4327 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 5 mg/mL (17.16 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 5 mg/mL (17.16 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 5 mg/mL (17.16 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	(S)-BRD9500 is the isomer of BRD9500 (HY-136350), and can be used as an experimental control. BRD9500 is an orally active phosphodiesterases 3 (PDE3) inhibitor with IC ₅₀ s of 10 and 27 nM for PDE3A and PDE3B, respectively. Antitumor activity ^[1] .
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REFERENCES

[1]. Timothy A Lewis, et al. Optimization of PDE3A Modulators for SLFN12-Dependent Cancer Cell Killing. ACS Med Chem Lett. 2019 Oct 18;10(11):1537-1542.

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

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