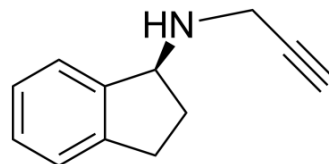


(S)-Rasagiline

Cat. No.:	HY-14200	
CAS No.:	185517-74-2	
Molecular Formula:	C ₁₂ H ₁₃ N	
Molecular Weight:	171.24	
Target:	Monoamine Oxidase	
Pathway:	Neuronal Signaling	
Storage:	Pure form	-20°C 3 years 4°C 2 years
	In solvent	-80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (583.98 mM; Need ultrasonic)
Ethanol : 100 mg/mL (583.98 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.8398 mL	29.1988 mL	58.3976 mL
	5 mM	1.1680 mL	5.8398 mL	11.6795 mL
	10 mM	0.5840 mL	2.9199 mL	5.8398 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 (14.60 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (14.60 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S)-Rasagiline (TVP1022) is the relatively inactive S-enantiomer form of Rasagiline. Rasagiline is a highly potent selective irreversible MAO inhibitor with IC₅₀s of 4.43 nM and 412 nM for rat brain MAO B and A activity, respectively^[1].

REFERENCES

- [1]. M B Youdim, et al. Rasagiline [N-propargyl-1R(+)-aminoindan], a selective and potent inhibitor of mitochondrial monoamine oxidase B. Br J Pharmacol. 2001 Jan;132(2):500-6.

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

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