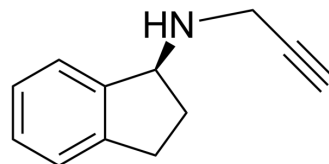


## (S)-Rasagiline

Cat. No.:	HY-14200		
CAS No.:	185517-74-2		
Molecular Formula:	C <sub>12</sub> H <sub>13</sub> N		
Molecular Weight:	171.24		
Target:	Monoamine Oxidase		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



### 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 IC<sub>50</sub>s of 4.43 nM and 412 nM for rat brain MAO B and A activity, respectively<sup>[1]</sup>.

### CUSTOMER VALIDATION

- J Neurosci. 2021 Jul 21;JN-RM-0476-21.

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## REFERENCES

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[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.

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

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