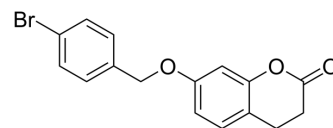


MAO-B-IN-25

Cat. No.:	HY-156255		
CAS No.:	2097148-47-3		
Molecular Formula:	C ₁₆ H ₁₃ BrO ₃		
Molecular Weight:	333.18		
Target:	Monoamine Oxidase		
Pathway:	Neuronal Signaling		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (300.14 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass			
			1 mg	5 mg	10 mg	
			1 mM	3.0014 mL	15.0069 mL	30.0138 mL
			5 mM	0.6003 mL	3.0014 mL	6.0028 mL
10 mM	0.3001 mL	1.5007 mL	3.0014 mL			
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.50 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	MAO-B-IN-25 (compound 92) is a selective MAO-B inhibitor with IC ₅₀ s of 0.5 nM and 240 nM for MAO-A and MAO-B, respectively ^[1] .		
IC ₅₀ & Target	MAO-B 0.5 nM (IC ₅₀)	MAO-A 240 nM (IC ₅₀)	

REFERENCES

[1]. Jayalakshmi Jayan, et al. Piperidine: A Versatile Heterocyclic Ring for Developing Monoamine Oxidase Inhibitors. ACS Omega. 2023 Oct 3;8(41):37731-37751.

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

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