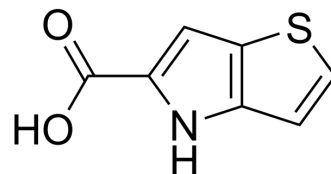


DAO-IN-2

Cat. No.:	HY-117292		
CAS No.:	39793-31-2		
Molecular Formula:	C ₇ H ₅ NO ₂ S		
Molecular Weight:	167.19		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-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 (598.12 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.9812 mL	29.9061 mL	59.8122 mL
	5 mM	1.1962 mL	5.9812 mL	11.9624 mL
	10 mM	0.5981 mL	2.9906 mL	5.9812 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: ≥ 1.25 mg/mL (7.48 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 1.25 mg/mL (7.48 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

DAO-IN-2 is a novel D-amino acid oxidase (DAO) inhibitor. DAO-IN-2 demonstrates moderate potency for DAO in vitro and ex vivo^[1].

REFERENCES

- [1]. Tim Sparey, et, al. The discovery of fused pyrrole carboxylic acids as novel, potent D-amino acid oxidase (DAO) inhibitors. *Bioorg Med Chem Lett.* 2008,18, 11.

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

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