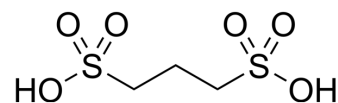


## Eprodinate

<b>Cat. No.:</b>	HY-128849		
<b>CAS No.:</b>	21668-77-9		
<b>Molecular Formula:</b>	C <sub>3</sub> H <sub>8</sub> O <sub>6</sub> S <sub>2</sub>		
<b>Molecular Weight:</b>	204.22		
<b>Target:</b>	Amyloid-β		
<b>Pathway:</b>	Neuronal Signaling		
<b>Storage:</b>	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 : ≥ 125 mg/mL (612.09 mM)  
 \* "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.8967 mL	24.4834 mL	48.9668 mL
	5 mM	0.9793 mL	4.8967 mL	9.7934 mL
	10 mM	0.4897 mL	2.4483 mL	4.8967 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Eprodinate is an amyloid inhibitor that interferes with the interaction between amyloidogenic proteins and glycosaminoglycans, thereby inhibiting the aggregation of amyloid fibrils and the deposition of fibrils in tissues. Eprodinate slows the progression of renal disease associated with AA amyloidosis and may be useful for other types of amyloidosis<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Dember LM, et al. Eprodinate for the treatment of renal disease in AA amyloidosis. *N Engl J Med.* 2007 Jun 7;356(23):2349-60.
- [2]. Manenti L, et al. Eprodinate in amyloid A amyloidosis: a novel therapeutic approach? *Expert Opin Pharmacother.* 2008 Aug;9(12):2175-80.
- [3]. Quaranta DV, et al. Transport of the Proinflammatory Chemokines C-C Motif Chemokine Ligand 2 (MCP-1) and C-C Motif Chemokine Ligand 5 (RANTES) across the Intact Mouse Blood-Brain Barrier Is Inhibited by Heparin and Eprodinate and Increased with Systemic Inflammation. *J Pharmacol Exp Ther.* 2023 Jan;384(1):205-223.

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

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