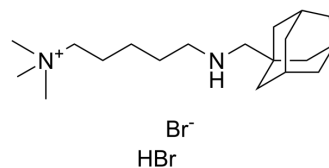


IEM-1460

Cat. No.:	HY-103230
CAS No.:	121034-89-7
Molecular Formula:	C ₁₉ H ₃₈ Br ₂ N ₂
Molecular Weight:	454.33
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (220.10 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		2.2010 mL	11.0052 mL	22.0104 mL
		5 mM		0.4402 mL	2.2010 mL	4.4021 mL
10 mM		0.2201 mL	1.1005 mL	2.2010 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 2.5 mg/mL (5.50 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: 2.5 mg/mL (5.50 mM); Clear solution; Need ultrasonic Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: 2.5 mg/mL (5.50 mM); Clear solution; Need ultrasonic 					

BIOLOGICAL ACTIVITY

Description	IEM-1460 blocks both AMPA and NMDA glutamate receptor with anticonvulsant effect in vivo ^[1] .
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REFERENCES

[1]. Schlesinger F, et al. Two mechanisms of action of the adamantane derivative IEM-1460 at human AMPA-type glutamate receptors. Br J Pharmacol. 2005 Jul;145(5):656-63.

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

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