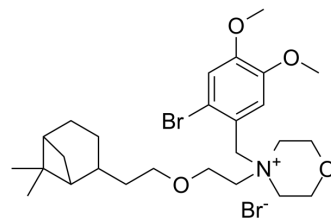


Pinaverium bromide

Cat. No.:	HY-111613
CAS No.:	53251-94-8
Molecular Formula:	C ₂₆ H ₄₁ Br ₂ NO ₄
Molecular Weight:	591.42
Target:	Calcium Channel
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	-20°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 : 62.5 mg/mL (105.68 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		1 mM		1.6908 mL	8.4542 mL	16.9085 mL
		5 mM		0.3382 mL	1.6908 mL	3.3817 mL
10 mM		0.1691 mL	0.8454 mL	1.6908 mL		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.52 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (3.52 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.52 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Pinaverium bromide is an L-type calcium channel blocker with selectivity for the gastrointestinal tract, effectively relieves pain, diarrhea and intestinal discomfort, provides good therapeutic efficacies without significant adverse effects on Irritable bowel syndrome (IBS) patients ^[1] .
IC₅₀ & Target	Calcium channel ^[1] .

REFERENCES

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

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