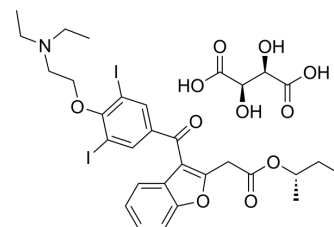


Budiodarone tartrate

Cat. No.:	HY-14834A
CAS No.:	478941-93-4
Molecular Formula:	C ₃₁ H ₃₇ I ₂ NO ₁₁
Molecular Weight:	853.43
Target:	Potassium Channel; Sodium Channel; 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 : 100 mg/mL (117.17 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	1.1717 mL	5.8587 mL	11.7174 mL
		5 mM	0.2343 mL	1.1717 mL	2.3435 mL
	10 mM	0.1172 mL	0.5859 mL	1.1717 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: ≥ 1 mg/mL (1.17 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1 mg/mL (1.17 mM); Clear solution				
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1 mg/mL (1.17 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Budiodarone (ATI-2042) tartrate is a chemical analogue of Amiodarone (HY-14187) with balanced, multiple cardiac ion channel (potassium, sodium and calcium channels) inhibiting activity. Budiodarone tartrate is an antiarrhythmic agent ^[1] .
In Vitro	Budiodarone (ATI-2042) tartrate has a short plasma half-life (7 h) and a lower volume of distribution (13 L/kg) ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

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

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