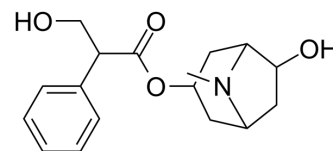


Racanisodamine

Cat. No.:	HY-N2064		
CAS No.:	17659-49-3		
Molecular Formula:	C ₁₇ H ₂₃ NO ₄		
Molecular Weight:	305.37		
Target:	mAChR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 125 mg/mL (409.34 mM)
 H₂O : 8.33 mg/mL (27.28 mM; ultrasonic and warming and heat to 60°C)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.2747 mL	16.3736 mL	32.7472 mL
	5 mM	0.6549 mL	3.2747 mL	6.5494 mL
	10 mM	0.3275 mL	1.6374 mL	3.2747 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: ≥ 2.08 mg/mL (6.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (6.81 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (6.81 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Racanisodamine is one of the racemic isomers of anisodamine, resembles anisodamine in pharmacological effect. Racanisodamine is a non-selective muscarinic antagonist, used as a component of eye drops for myopic control^[1].

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA