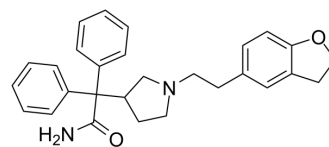


(±)-Darifenacin

Cat. No.:	HY-22437		
CAS No.:	133033-93-9		
Molecular Formula:	C ₂₈ H ₃₀ N ₂ O ₂		
Molecular Weight:	426.55		
Target:	mAChR		
Pathway:	GPCR/G Protein; Neuronal Signaling		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (234.44 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3444 mL	11.7220 mL	23.4439 mL
5 mM	0.4689 mL	2.3444 mL	4.6888 mL
10 mM	0.2344 mL	1.1722 mL	2.3444 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: ≥ 2.5 mg/mL (5.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (5.86 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (5.86 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(±)-Darifenacin is the racemate of Darifenacin. Darifenacin is a selective M3 muscarinic receptor antagonist^[1].

REFERENCES

[1]. Hegde SS, et al. Functional role of M2 and M3 muscarinic receptors in the urinary bladder of rats in vitro and in vivo. Br J Pharmacol, 1997, 120(8), 1409-1418.

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

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