Oxyphenonium bromide

Cat. No.: HY-B1719A

CAS No.: 50-10-2

Molecular Formula: $C_{21}H_{34}BrNO_3$

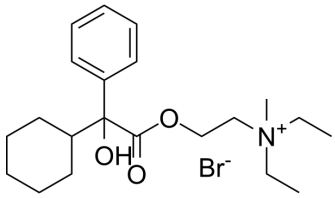
Molecular Weight: 428.4

Target: mAChR

Pathway: GPCR/G Protein; 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

H_2O : 125 mg/mL (291.78 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.3343 mL	11.6713 mL	23.3427 mL
	5 mM	0.4669 mL	2.3343 mL	4.6685 mL
	10 mM	0.2334 mL	1.1671 mL	2.3343 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Oxyphenonium bromide is an antiacetylcholine compound. Oxyphenonium bromide is an antagonist of mAChR. Oxyphenonium bromide protects against the bronchial obstructive effects[1][2][3].

REFERENCES

[1]. Funasaki N, et al. Quantitative estimation of the bitter taste intensity of oxyphenonium bromide reduced by cyclodextrins from electromotive force measurements. Anal Chem. 1999 May 1;71(9):1733-6.

[2]. Koëter GH, et al. Protective effect of oral oxyphenonium bromide, terbutaline and theophylline against the bronchial obstructive effects of inhaled histamine, acetylcholine and propranolol. Eur J Clin Pharmacol. 1984;26(4):435-41.

[3]. Eglen RM, et al. Competitive and non-competitive antagonism exhibited by 'selective' antagonists at atrial and ileal muscarinic receptor subtypes. Br J Pharmacol. 1987 Apr;90(4):701-7.

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

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