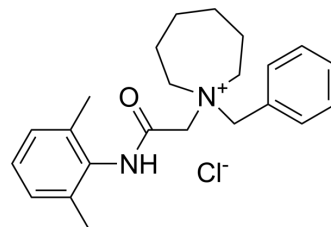


Taplucainium chloride

Cat. No.:	HY-148802		
CAS No.:	2489565-37-7		
Molecular Formula:	C ₂₃ H ₃₁ ClN ₂ O		
Molecular Weight:	386.96		
Target:	Sodium Channel		
Pathway:	Membrane Transporter/Ion Channel		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 10 mg/mL (25.84 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.5842 mL	12.9212 mL	25.8425 mL
5 mM	0.5168 mL	2.5842 mL	5.1685 mL
10 mM	0.2584 mL	1.2921 mL	2.5842 mL

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

BIOLOGICAL ACTIVITY

Description

Taplucainium chloride is a Sodium Channel blocker. Taplucainium chloride exhibits 70-95% inhibition at 10µM. Taplucainium chloride can be used as an analgesic agent^{[1][2]}.

REFERENCES

[1]. Cole BM, et al. Preparation of ammonium salts as charged ion channel blockers and methods for use: World Intellectual Property Organization, WO2020185830. 2020-09-17.

[2]. WHO Drug Information-World Health Organization (WHO).

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

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