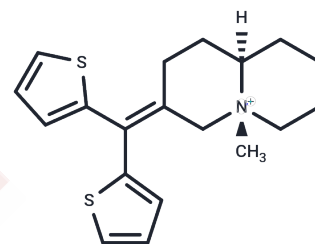


## Tiquizium

## Chemical Properties

CAS No. :	149755-23-7
Formula:	C <sub>19</sub> H <sub>24</sub> N <sub>2</sub> S
Molecular Weight:	330.53
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Tiquizium has effective Antimuscarinic effect, and causes significant bronchodilation in patients with chronic obstructive pulmonary disease.
Targets(IC50)	AChR

## Solubility Information

Solubility	DMSO: 50 mg/mL (151.27 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0254 mL	15.1272 mL	30.2544 mL
5 mM	0.6051 mL	3.0254 mL	6.0509 mL
10 mM	0.3025 mL	1.5127 mL	3.0254 mL
50 mM	0.0605 mL	0.3025 mL	0.6051 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Shioya T, et al. Antimuscarinic effect of tiquizium bromide in vitro and in vivo. Eur J Clin Pharmacol. 1996;50(5): 375-80.

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