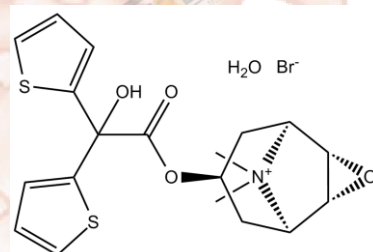


## Product Data Sheet

### Tiotropium Bromide hydrate

<b>Cat. No.:</b>	B1619
<b>CAS No.:</b>	139404-48-1
<b>Formula:</b>	C <sub>19</sub> H <sub>22</sub> NO <sub>4</sub> S <sub>2</sub> ·Br·xH <sub>2</sub> O
<b>M.Wt:</b>	490.43
<b>Synonyms:</b>	
<b>Target:</b>	Neuroscience
<b>Pathway:</b>	AChR
<b>Storage:</b>	Store at -20°C



### Solvent & Solubility

≥18.87 mg/mL in H<sub>2</sub>O with ultrasonic; ≥3.74 mg/mL in EtOH with ultrasonic; ≥64.7 mg/mL in DMSO

In Vitro	Preparing Stock Solutions			Mass			
		Solvent Concentration			1mg	5mg	10mg
		1 mM	2.0390 mL	10.1951 mL	20.3903 mL		
		5 mM	0.4078 mL	2.0390 mL	4.0781 mL		
10 mM	0.2039 mL	1.0195 mL	2.0390 mL				

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

### Biological Activity

Shortsummary	Muscarinic antagonist	
IC <sub>50</sub> & Target		
In Vitro	<b>Cell Viability Assay</b>	
	Preparation method:	
In Vivo	<b>Animal experiment</b>	
	Applications:	

### Product Citations

See more customer validations on [www.apexbt.com](http://www.apexbt.com).

## References

## Caution

**FOR RESEARCH PURPOSES ONLY.**

**NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

Specific storage and handling information for each product is indicated on the product datasheet. Most APEx BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

**APEx BIO Technology**

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