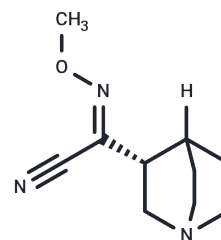


## sabcomeline

## Chemical Properties

CAS No. :	159912-53-5
Formula:	C10H15N3O
Molecular Weight:	193.25
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	Sabcomeline, a potent and functionally selective partial agonist at muscarinic M1 receptors, enhances cognition and is utilized in Alzheimer's disease research [1] [2].
Targets(IC50)	Others,AChR
In vitro	LCS3 (5 nM-10 μM ; 96 h) effectively inhibits lung cancer cell lines, while non-transformed lung cells show no signs of inhibition.[1] LCS3 (3 μM ; 3, 6, and 12 h) induces ROS and NRF2 pathway activation in sensitive lung adenocarcinoma (LUAD) cells.[1] LCS3 (3 μM ; 96 h) selectively kills lung adenocarcinoma (LUAD) cell lines, in part through the induction of apoptosis.[1]

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.1746 mL	25.8732 mL	51.7464 mL
5 mM	1.0349 mL	5.1746 mL	10.3493 mL
10 mM	0.5175 mL	2.5873 mL	5.1746 mL
50 mM	0.1035 mL	0.5175 mL	1.0349 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481