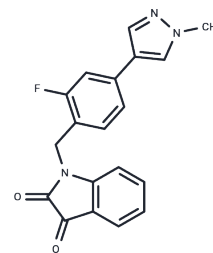


ML-137

## Chemical Properties

CAS No. : 1222834-53-8  
 Formula: C<sub>19</sub>H<sub>14</sub>N<sub>3</sub>O<sub>2</sub>  
 Molecular Weight: 335.33  
 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	ML-137 is a positive allosteric modulator (PAM) of M1 muscarinic acetylcholine receptors (mAChRs). ML-137 potentiates ACh-induced activation of the M1 muscarinic receptor (EC <sub>50</sub> = 0.83 μM).
Targets(IC <sub>50</sub> )	Cholinesterase (ChE)

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9821 mL	14.9107 mL	29.8214 mL
5 mM	0.5964 mL	2.9821 mL	5.9643 mL
10 mM	0.2982 mL	1.4911 mL	2.9821 mL
50 mM	0.0596 mL	0.2982 mL	0.5964 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

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