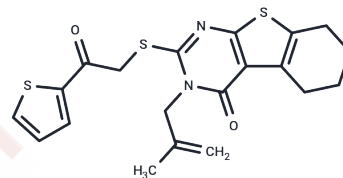


## Eggmanone

## Chemical Properties

CAS No. :	505068-32-6
Formula:	C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub> S <sub>3</sub>
Molecular Weight:	416.58
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	Eggmanone (EGM1) is a potent, selective phosphodiesterase 4 (PDE4) antagonist, exhibiting an IC <sub>50</sub> of 72 nM specifically for PDE4D3. It shows 40- to 50-fold greater selectivity for PDE4D3 over other phosphodiesterases. The mechanism of action involves PDE4 selective antagonism by Eggmanone, which activates protein kinase A, culminating in the blockade of the Hedgehog (Hh) signaling pathway [1].
Targets(IC <sub>50</sub> )	Others,PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4005 mL	12.0025 mL	24.005 mL
5 mM	0.4801 mL	2.4005 mL	4.801 mL
10 mM	0.240 mL	1.2002 mL	2.4005 mL
50 mM	0.048 mL	0.240 mL	0.4801 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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