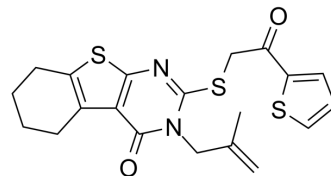


Eggmanone

Cat. No.:	HY-121037
CAS No.:	505068-32-6
Molecular Formula:	C ₂₀ H ₂₀ N ₂ O ₂ S ₃
Molecular Weight:	416.58
Target:	Phosphodiesterase (PDE)
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Eggmanone (EGM1) is a potent and selective phosphodiesterase 4 (PDE4) antagonist with an IC₅₀ of 72 nM for PDE4D3. Eggmanone shows approximately 40- to 50-fold selective for PDE4D3 over other PDEs. Eggmanone exerts its Hh-inhibitory effects through selective antagonism of PDE4, leading to protein kinase A activation and subsequent Hh blockade^[1].

REFERENCES

[1]. Williams CH, et al. An in vivo chemical genetic screen identifies phosphodiesterase 4 as a pharmacological target for hedgehog signaling inhibition. *Cell Rep.* 2015;11(1):43-50.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA