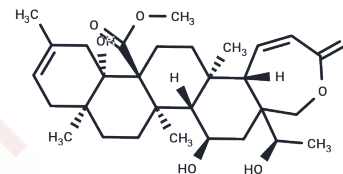


## Galphimine B

## Chemical Properties

CAS No. :	149199-48-4
Formula:	C <sub>30</sub> H <sub>44</sub> O <sub>7</sub>
Molecular Weight:	516.675
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	Galphimine B is a cyclodesiccated triterpenoid from Galphimia Glauca, which can regulate the synaptic transmission of dopaminergic ventral tegmental neurons and has a sedative effect.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9354 mL	9.6772 mL	19.3543 mL
5 mM	0.3871 mL	1.9354 mL	3.8709 mL
10 mM	0.1935 mL	0.9677 mL	1.9354 mL
50 mM	0.0387 mL	0.1935 mL	0.3871 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.

## Reference

- Jiménez-Ferrer E, Herrera-Ruiz M, Ramírez-García R, Herrera-Arellano A, Tortoriello J. Interaction of the natural anxiolytic Galphimine-B with serotonergic drugs on dorsal hippocampus in rats. *J Ethnopharmacol.* 2011 Sep 1;137(1):724-9. doi: 10.1016/j.jep.2011.06.029. Epub 2011 Jul 1. PubMed PMID: 21742023.
- Lara-Ochoa F, Guillén-Torres A, Espinosa-Pérez G, Ortega-Hernández A. Conformational study of galphimines A and B. *Spectrochim Acta A Mol Biomol Spectrosc.* 2005 Sep;61(11-12):2677-86. PubMed PMID: 15950532.
- Osuna L, Moyano E, Mangas S, Bonfill M, Cusidó RM, Piñol MT, Zamilpa A, Tortoriello J, Palazón J. Immobilization of Galphimia glauca plant cell suspensions for the production of enhanced amounts of Galphimine-B. *Planta Med.* 2008 Jan;74(1):94-9. doi: 10.1055/s-2007-993763. Epub 2008 Jan 4. PubMed PMID: 18176908.
- Prieto-Gómez B, Tortoriello J, Vázquez-Alvarez A, Reyes-Vázquez C. Galphimine B modulates synaptic transmission on dopaminergic ventral tegmental area neurons. *Planta Med.* 2003 Jan;69(1):38-43. PubMed PMID: 12567277.

**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