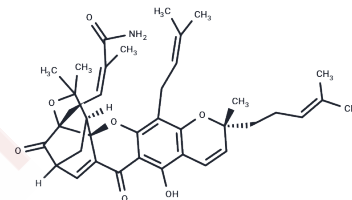


Gambogic amide

Chemical Properties

CAS No. :	286935-60-2
Formula:	C ₃₈ H ₄₅ N ₀ O ₇
Molecular Weight:	627.77
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Gambogic amide acts as a potent and selective agonist for TrkA, promoting tyrosine phosphorylation and activating downstream signaling pathways such as Akt and MAPK. It specifically binds to the cytoplasmic juxtamembrane domain of the TrkA receptor, stimulating dimerization and activation. The compound demonstrates neuroprotective properties by preventing neuronal cell death caused by glutamate. Additionally, gambogic amide shows enhanced efficacy in a transient middle cerebral artery occlusion model of stroke and may be useful for investigating neurodegenerative diseases and stroke [1].
Targets(IC50)	ERK,Akt,Trk receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5929 mL	7.9647 mL	15.9294 mL
5 mM	0.3186 mL	1.5929 mL	3.1859 mL
10 mM	0.1593 mL	0.7965 mL	1.5929 mL
50 mM	0.0319 mL	0.1593 mL	0.3186 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