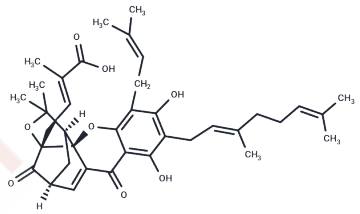
Data Sheet (Cat.No.T123993)

TargetMol

Isogambogenic acid

Chemical Properties



CAS No. : 887923-47-9

Formula: C38H46O8

Molecular Weight: 630.78

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	Isogambogenic acid is a xanthone-type natural product derivative structurally related to gambogenic acid. It can be used in life science and natural product-related research.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.5853 mL	7.9267 mL	15.8534 mL
5 mM	0.3171 mL	1.5853 mL	3.1707 mL
10 mM	0.1585 mL	0.7927 mL	1.5853 mL
50 mM	0.0317 mL	0.1585 mL	0.3171 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

Han QB, et al. Caged Garcinia xanthones: development since 1937. Curr Med Chem. 2009;16(28):3775-96.

Zhao W, et al. Isogambogenic Acid Inhibits the Growth of Glioma Through Activation of the AMPK-mTOR Pathway. Cell Physiol Biochem. 2017;44(4):1381-1395.

Xu L, et al. Screening Active Compounds from Garcinia Species Native to China Reveals Novel Compounds Targeting the STAT/JAK Signaling Pathway. Biomed Res Int. 2015;2015:910453.

Yang J, et al. Isogambogenic acid induces apoptosis-independent autophagic cell death in human non-small-cell lung carcinoma cells. Sci Rep. 2015 Jan 9;5:7697.

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