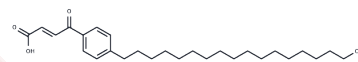


OBAA

Chemical Properties

CAS No. :	221632-26-4
Formula:	C ₂₈ H ₄₄ O ₃
Molecular Weight:	428.65
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	OBAA is a phospholipase inhibitor and a broad-spectrum PLA2 inhibitor. It exhibits potent anti-inflammatory activity by blocking arachidonic acid pathways, used for acute inflammation research.
Targets(IC50)	Phospholipase
In vitro	OBAA (5.7 μ M) induces apoptosis in HUVECs and regulates Ca ²⁺ entry in T. brucei via PLA2 inhibition [1][2].
In vivo	Intravenous OBAA (2.5-7 mg/kg) significantly inhibits immunologically induced bronchospasm in guinea pig models [3].

Solubility Information

Solubility	DMSO: 20 mg/mL (46.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3329 mL	11.6645 mL	23.3291 mL
5 mM	0.4666 mL	2.3329 mL	4.6658 mL
10 mM	0.2333 mL	1.1665 mL	2.3329 mL
50 mM	0.0467 mL	0.2333 mL	0.4666 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

Methods of biochemical analysis[M]. John Wiley & Sons, 2009.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481