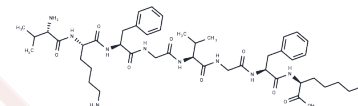


CALP3

Chemical Properties

CAS No. :	261969-05-5
Formula:	C44H68N10O9
Molecular Weight:	881.08
Storage:	Keep away from moisture 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	Cell-permeable calmodulin (CaM) agonist that binds to the EF-hand/Ca ²⁺ -binding site. Activates phosphodiesterase in the absence of Ca ²⁺ and inhibits Ca ²⁺ -mediated cytotoxicity and apoptosis (IC ₅₀ = 33 μM).
Targets(IC ₅₀)	Calcium Channel

Solubility Information

Solubility	H ₂ O: 1 mg/mL (1.13 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	1.135 mL	5.6749 mL	11.3497 mL
5 mM	0.227 mL	1.135 mL	2.2699 mL
10 mM	0.1135 mL	0.5675 mL	1.135 mL
50 mM	0.0227 mL	0.1135 mL	0.227 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

- Manion et al (2000) A new type of Ca²⁺ channel blocker that targets Ca²⁺ sensors and prevents Ca²⁺-mediated apoptosis. FASEB J. 14 1297 PMID:
- Ten Broeke et al (2003) Ca²⁺ sensors modulate asthmatic symptoms in an allergic model for asthma. Eur.J. Pharmacol. 476 151 PMID:

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