



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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ZIP acetate(863987-12-6 free base)

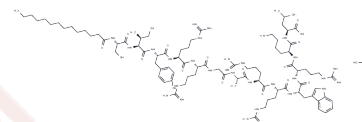
Chemical Properties

CAS No. :

Formula: C92H158N30O19

Molecular Weight: 1988.43

Appearance: no data available

Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	ZIP acetate is a novel, cell-permeable inhibitor of protein kinase Mζ (PKMζ), a constitutively active, atypical PKC isozyme involved in LTP maintenance. Selectively blocks PKMζ-induced synaptic potentiation in hippocampal slices in vitro. Reverses late-phase LTP (IC50 = 1 - 2.5 μM) and produces persistent loss of 1-day-old spatial memory following central administration in vivo.
Targets(IC50)	PKC

Solubility Information

Solubility	DMSO: Insoluble, H2O: 5 mM, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.5029 mL	2.5145 mL	5.0291 mL
5 mM	0.1006 mL	0.5029 mL	1.0058 mL
10 mM	0.0503 mL	0.2515 mL	0.5029 mL
50 mM	0.0101 mL	0.0503 mL	0.1006 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.

Reference

Serrano et al (2005) Persistent phosphorylation by protein kinase Mz maintains late-phase long-term potentiation. J.Neurosci. 25 1979 PMID:

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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