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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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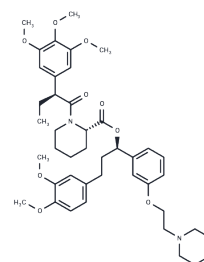
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Shield-1

Chemical Properties

CAS No. :	914805-33-7
Formula:	C42H56N2O10
Molecular Weight:	748.9
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Shield-1 is a specific, high-affinity and cell-permeant ligand of FK506-binding protein-12 (FKBP), and reverses the instability by binding to mutated FKBP (mtFKBP), allowing conditional expression of mtFKBP-fused proteins. Shield-1 can stabilize the entire fusion protein.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 250 mg/mL (333.82 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3353 mL	6.6765 mL	13.3529 mL
5 mM	0.2671 mL	1.3353 mL	2.6706 mL
10 mM	0.1335 mL	0.6676 mL	1.3353 mL
50 mM	0.0267 mL	0.1335 mL	0.2671 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

Schoeber JP, et al. Conditional fast expression and function of multimeric TRPV5 channels using Shield-1. Am J Physiol Renal Physiol. 2009 Jan;296(1):F204-11.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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