

SLF-amido-C2-COOH

Chemical Properties

CAS No. : 1092369-24-8

Formula: C34H44N2O9

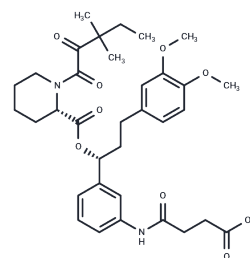
Molecular Weight: 624.72

Keep away from direct sunlight, Store at low temperature

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	SLF-amido-C2-COOH (ZZY01-083) is an FKBP ligand with potential antimicrobial activity for the synthesis of PROTAC.
Targets(IC50)	FKBP, Ligands for Target Protein for PROTAC
In vitro	SLF-amido-C2-COOH is a synthetic ligand (SLF) that binds FKBP. SLF consists of a portion of the structure of FK506 and has a relatively weak binding capacity to FKBP12. [1]

Solubility Information

Solubility	DMSO: 80 mg/mL (128.06 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.28 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6007 mL	8.0036 mL	16.0072 mL
5 mM	0.3201 mL	1.6007 mL	3.2014 mL
10 mM	0.1601 mL	0.8004 mL	1.6007 mL
50 mM	0.032 mL	0.1601 mL	0.3201 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

Dunyak BM, et al. Selective Targeting of Cells via Bispecific Molecules That Exploit Coexpression of Two Intracellular Proteins. ACS Chem Biol. 2015 Nov 20;10(11):2441-7.

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