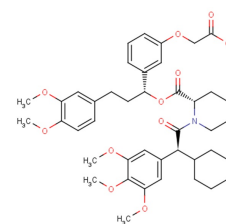


SAFit1

Chemical Properties

CAS No.:	1643125-32-9
Formula:	C42H53NO11
Molecular Weight:	747.87
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	SAFit1 is an inhibitor of FK506 binding protein 51 (FKBP51)-specific (K _i : 4±0.3 nM).
Targets(IC ₅₀)	FKBP51: (k _i)4±0.3 nM FKBP52: >50000 nM(k _i)
In vitro	SAFit1 is active over a wide concentration range. SAFit1 (1-1000 nM) effectively stimulates neurite outgrowth in two neuronal cell lines as well as in primary hippocampal neurons [1].

Solubility Information

Solubility	DMSO: 300 mg/mL (401.14 mM) MEthanol: 125 mg/mL (167.14 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.337 mL	6.686 mL	13.371 mL
5 mM	0.267 mL	1.337 mL	2.674 mL
10 mM	0.134 mL	0.669 mL	1.337 mL
50 mM	0.027 mL	0.134 mL	0.267 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

- Gaali S, et al. Selective inhibitors of the FK506-binding protein 51 by induced fit. Nat Chem Biol. 2015 Jan;11(1):33-7.
- Sidibeh CO, et al. FKBP5 expression in human adipose tissue: potential role in glucose and lipid metabolism, adipogenesis and type 2 diabetes. Endocrine. 2018 Oct;62(1):116-128.

Inhibitors · Natural Compounds · Compound Libraries

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