

Boc-MLF TFA (67247-12-5 free base)

Chemical Properties

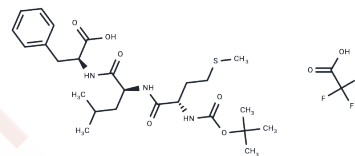
CAS No. :

Formula: C₂₇H₄₀F₃N₃O₈S

Molecular Weight: 623.68

Appearance: no data available

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



Biological Description

Description	Boc-MLF (TFA) is a specific antagonist of formyl peptide receptor (FPR) and also inhibits signaling through FPRL1 at higher concentrations.
Targets(IC50)	Others
In vitro	Boc-MLF inhibits superoxide production induced by FPR agonist fMLF (EC ₅₀ : 630 nM in neutrophils). Boc-MLF (25 μM) blocks FPRL1-agonist serum amyloid A (SAA) induced calcium response.

Solubility Information

Solubility	DMSO: 150 mg/mL (240.51 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	1.6034 mL	8.0169 mL	16.0339 mL
5 mM	0.3207 mL	1.6034 mL	3.2068 mL
10 mM	0.1603 mL	0.8017 mL	1.6034 mL
50 mM	0.0321 mL	0.1603 mL	0.3207 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

Stenfeldt AL, et al. Cyclosporin H, Boc-MLF and Boc-FLFLF are antagonists that preferentially inhibit activity triggered through the formyl peptide receptor. *Inflammation*. 2007 Dec;30(6):224-9. Epub 2007 Aug 9.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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