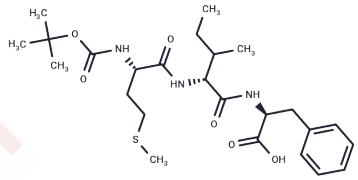
Data Sheet (Cat.No.TP1915)

TargetMol

Boc-MLF

Chemical Properties



CAS No. : 67247-12-5

Formula: C25H39N3O6S

Molecular Weight: 509.66

Storage: Keep away from moisture
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	Antagonist of formyl peptide receptor 1 (FPR1). Reduces superoxide production induced by fMLF with an EC50 of 0.63 μM. Almost completely blocks fMLF-stimulated primary granule exocytosis.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 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: 2 mg/mL (3.92 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9621 mL	9.8105 mL	19.6209 mL
5 mM	0.3924 mL	1.9621 mL	3.9242 mL
10 mM	0.1962 mL	0.981 mL	1.9621 mL
50 mM	0.0392 mL	0.1962 mL	0.3924 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

Boxio et al (2005) The immunostimulatory peptide WKYMVm-NH2 activates bone marrow mouse neutrophils via multiple signal transduction pathways. Scand.J.Immunol. 62 140 PMID:
Stenfeldt et al (2007) Cyclosporin H, Boc-MLF and Boc-FLFLF are antagonists that preferentially inhibit activity triggered through the formyl peptide receptor. Inflammation 30 224 PMID:

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