
Product Data Sheet

Product Name: Boc-MLF
Cat. No.: GC11278

Chemical Properties

Cas. No. 67247-12-5

Chemical Name (6R,9S,12S)-12-benzyl-9-isobutyl-2,2-dimethyl-6-(2-(methylthio)ethyl)-4,7,10-trioxo-3-oxa-5,8,11-triazatridecan-13-oic acid

SMILES O=C([C@H](CC(C)C)NC([C@@H](CCSC)NC(OC(C)(C)C)=O)=O)N[C@H](C(O)=O)CC1=CC=CC=C1

Formula C₂₅H₃₉N₃O₆S M.Wt 509.66

Solubility Soluble to 2 mg/ml in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

Boc-MLF (TFA) is a peptide, used as a specific formyl peptide receptor (FPR) antagonist, also inhibits the signaling through formyl peptide receptor like 1 (FPRL1) at higher concentrations[1].

Boc-MLF inhibits superoxide production induced by FPR agonist fMLF, with an EC₅₀ of 630 nM in neutrophils[1]. Boc-MLF (25 μM) blocks FPRL1-agonist serum amyloid A (SAA) induced calcium response[1].

References:

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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