
Product Data Sheet

Product Name: Anti-Inflammatory Peptide 1
 Cat. No.: GP10124

Chemical Properties

Cas. No. 118850-71-8

Chemical Name Anti-Inflammatory Peptide 1

SMILES CC(C)CC(C(=O)NC(CC(=O)O)C(=O)NC(CO)C(=O)O)NC(=O)C(C(C)C)NC(=O)C(CCCCN)NC(=O)C(CCCCN)NC(=O)C(CCSC)NC(=O)C(CCC

Formula C₄₅H₈₂N₁₂O₁₄S₂

M.Wt

1079.33

Solubility ≥ 107.9mg/mL in DMSO

Storage

Store at -20°C

General 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 tips several months.

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

Structure

Background

Anti-Inflammatory Peptide 1 (C₄₅H₈₂N₁₂O₁₄S₂), with the sequence H-Met-Gln-Met-Lys-Lys-Val-Leu-Asp-Ser-OH, belongs to the group of synthetic oligopeptides corresponding to a region of high amino-acid sequence similarity between uteroglobin and lipocortin I. The name 'antiflammins' is proposed for those peptides, which are valuable models for the development of novel anti-inflammatory agents of therapeutic importance. Anti-inflammatory peptide 1 possesses a potent anti-inflammatory activity in vivo and is a strong inhibitor of phospholipase A2 (PLA2), whose increased presence and activity results in inflammation and pain at certain bodily sites.

References:

1. Argiolas A, Pisano JJ (November 1983). "Facilitation of phospholipase A2 activity by mastoparans, a new class of mast cell degranulating peptides from wasp venom". J. Biol. Chem. 258 (22): 13697-702.

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

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