Product Data Sheet

Chemical Properties

Product Name: Anti-Inflammatory Peptide 1

Cas No.: 118850-71-8

M.Wt: 1079.33

Formula: C45H82N12O14S2


Chemical Name: Anti-Inflammatory Peptide 1

Canonical SMILES: CC(C)CC(C(=O)NC(CC(=O)O)C(=O)NC(=O)O)NC(=O)C(C(C)C)NC(=O)C(CCCCN)NC(=O)C(CCCCN)NC(=O)C(CSC)NC(=O)C(CCC(=O)N)NC(=O)C(CCSC)N

Solubility: ≥107.9mg/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.

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

Biological Activity

Targets: Immunology/Inflammation

Pathways:

Description:

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.

Reference:

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most ApexBio products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Short-term storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.

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