

Product Data Sheet

Product Name: Mambalgin 1

Cat. No.: GC50715

Chemical Properties

Cas. No. 1609937-15-6

SMILES

[H]N[C@@H](CC(C)C)C(=O)N[C@@H](CCCCN)C(=O)N[C@@H]1CSC[C@@H]2NC(=O)[C@H](CC3=CC=CC=C3)NC(=O)[C@H](CCCCN)NC(=O)[C@H](CCSC)NC(=O)[C@H](CC(O)=O)NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CC3=CNC=N3)NC(=O)[C@H](CSSC[C@H](NC(=O)CNC(=O)[C@H](CCC(N)=O)NC(=O)[C@H](CC(C)C)NC(=O)[C@@H](NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CCCCN)NC(=O)[C@H](CC(C)C)NC(=O)[C@H](CC(N)=O)NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CC3=CC=CC=C3)NC(=O)[C@@H]3CCCN3C(=O)[C@H](CCSC)NC(=O)CNC(=O)[C@@H](NC(=O)[C@H](CC(N)=O)NC(=O)[C@H](CC3=CNC=N3)NC(=O)[C@H](CC3=CC=C(O)C=C3)NC2=O)[C@@H](C)O)[C@@H](C)CC)C(=O)N[C@@H](CO)C(=O)N[C@@H](CO)C(=O)N[C@@H](CO)C(=O)N[C@H]2CSSC[C@H](NC(=O)[C@H](CCCCN)NC(=O)[C@H](CC(N)=O)NC(=O)[C@H](CC(N)=O)NC(=O)[C@H](CCC(O)=O)NC(=O)[C@@H](NC(=O)[C@H](CCC(O)=O)NC(=O)[C@H](CO)NC2=O)[C@@H](C)O)C(=O)N[C@H]2CSSC[C@H](NC(=O)[C@H](CCCNC(N)=N)NC(=O)[C@H](CC(O)=O)NC(=O)[C@@H](NC(=O)[C@H](CO)NC2=O)[C@@H](C)O)C(=O)N[C@@H](CC(N)=O)C(=O)N[C@@H](CCCCN)C(O)=O)NC(=O)[C@@H](NC(=O)[C@@H](NC(=O)[C@H](NC(=O)[C@H](CCCCN)NC(=O)CNC(=O)[C@H](CC2=CNC=N2)NC(=O)[C@H](CCC(N)=O)NC(=O)[C@H](CC2=CC=C(O)C=C2)NC1=O)C(C)C)C(C)C)[C@@H](C)O
Formula C₂₇₂H₄₂₉N₈₅O₈₄S₁₀

M.Wt

6554.51

Solubility

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.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

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

Structure

Background

Selective ASIC1a inhibitor (IC50 values are 192 and 72 nM for human ASIC1a and ASIC1a/1b dimer, respectively). Binds to closed/inactive channel. Selective for ASIC1a over ASIC2a, ASIC3, TRPV1, P2X2, 5-HT3, Nav1.8, Cav3.2 and Kv1.2 channels. Increases latency of withdrawal response in mouse tail-flick and paw-flick tests. Analgesic.

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