

Product Data Sheet

Product Name: Calpinactam

Cat. No.: GC43131

Chemical Properties

Cas. No. 1205538-83-5

SMILES N[C@@H](C(N[C@H](C(N[C@@H](CC1=CN=CN1)C(N[C@H](CCC(O)=O)C(N[C@@H]([C@@H](C)CC)([H])C(N[C@@H]2C(NCCCC2)=O)=O)=O)=O)CC(C)C)=O)CC3=C C=CC=C3

Formula C₃₈H₅₇N₉O₈

M.Wt 767.9

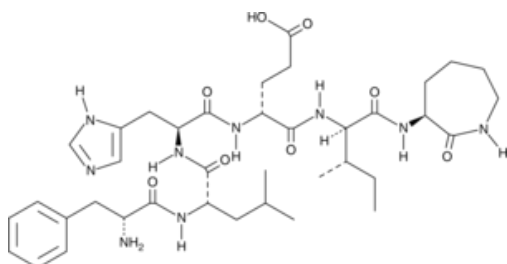
Solubility Soluble in DMSO

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

Calpinactam is a fungal metabolite originally isolated from *M. alpina* that has antimycobacterial activity. It is active against *M. smegmatis* (MIC = 0.78 µg/ml) but not a panel of 13 other bacteria and fungi. Calpinactam increases survival in a silkworm model of *M. smegmatis* infection (ED₅₀ = 5 µg/larva).

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