

Product Data Sheet

Product Name: Cycloaspeptide A

Cat. No.: GC47139

Chemical Properties

Cas. No. 109171-13-3

SMILES O=C(N[C@@H](C)C(N(C)[C@H](C(N[C@@H](CC(C)C)C(N(C)[C@H]1CC2=CC=C(O)C=C2)=O)=O)CC3=CC=CC=C3)=O)C4=CC=CC=C4NC1=O

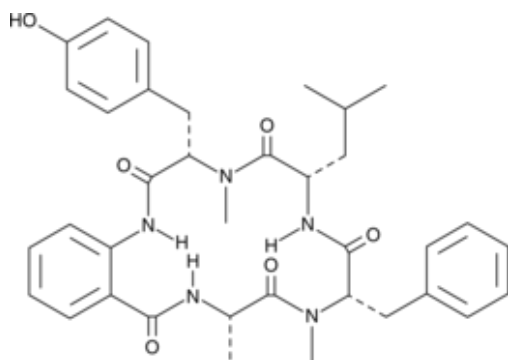
Formula C₃₆H₄₃N₅O₆ M.Wt 641.8

Solubility Dichloromethane: soluble, DMSO: soluble, Ethanol: soluble, Methanol: soluble
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

Cycloaspeptide A is a fungal metabolite that has been found in *P. algidum* and has antiparasitic activity.¹ It is active against a chloroquine-sensitive strain of *P. falciparum* (IC₅₀ = 3.5 µg/ml).

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

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1. Dalsgaard, P.W., Larsen, T.O., and Christophersen, C. Bioactive cyclic peptides from the psychrotolerant fungus *Penicillium algidum*. *J. Antibiot. (Tokyo)* 58(2):141-144 (2005)

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