

Product Data Sheet

Product Name: Onychocin B

Cat. No.: GC48438

Chemical Properties

Cas. No.

SMILES O=C([C@H](C(C)C)NC([C@@H](CC1=CC=CC=C1)N(C)C2=O)=O)N([C@@H](CC3=CC=CC=C3)C(N[C@@H]2([H])[C@@H](C)CC)=O)C

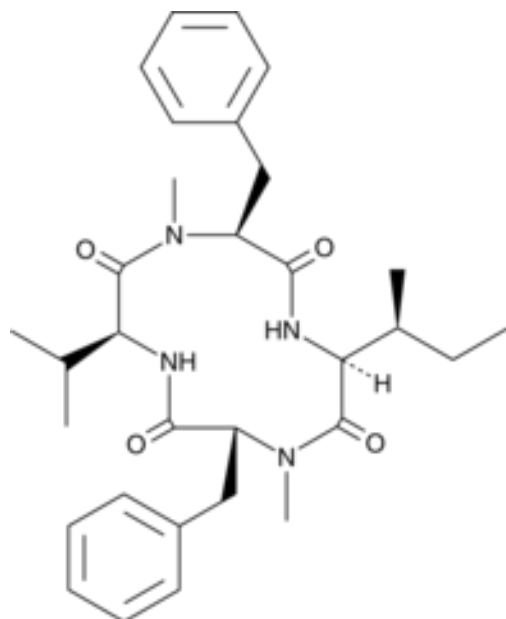
Formula C₃₁H₄₂N₄O₄ M.Wt 534.7

Solubility Storage -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



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

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

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Background

Onychocin B is a cyclic tetrapeptide originally isolated from *Onychocola sclerotica* that has calcium channel inhibitory activity.¹ It inhibits the voltage-gated calcium (Ca_v) channel $\text{Ca}_v1.2$ with an IC_{50} value of 7.1 μM .

1. PÉrez-Victoria, I., Martín, J., González-Menéndez, V., et al. Isolation and structural elucidation of cyclic tetrapeptides from *Onychocola sclerotica*. *J. Nat. Prod.* 75(6)1210-1214 (2012)

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