

Product Data Sheet

Product Name: Preterramide C

Cat. No.: GC48501

Chemical Properties

Cas. No. 81469-77-4

SMILES O=C(C1=CC(OC)=C(C(OC)=C1NC(C2=C(NC(C3=CC=CN=C3)=O)C=CC=C2)=O)OC)OC

Formula C₂₄H₂₃N₃O₇ M.Wt 465.5

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.

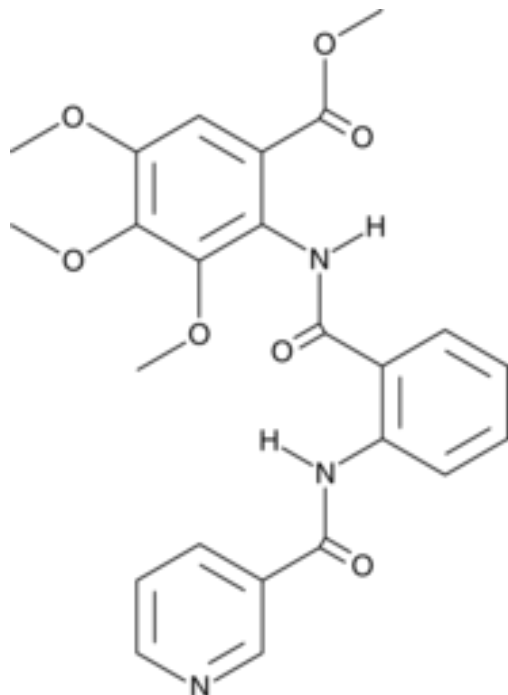
Caution: Product has not been fully validated for medical applications. For research use only.

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

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

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Structure



Background

Preterramide C is a fungal metabolite that has been found in *A. terreus*.¹ It is active against *S. aureus* (MIC = 52.4 μ M) but not *E. aerogenes*, *P. aeruginosa*, or *C. albicans* (MICs = >100 μ M for all).² Preterramide C inhibits the growth of L5178Y mouse lymphoma cells with an IC₅₀ value of 0.1 μ g/ml.³ It also inhibits nitric oxide (NO) production induced by LPS in RAW 264.7 cells (IC₅₀ = 5.48 μ M).

1.He, F., Bao, J., Zhang, X.-Y., et al. Asperterrestide A, a cytotoxic cyclic tetrapeptide from the marine-derived fungus *Aspergillus terreus* SCSGAF0162J. *Nat. Prod.* 76(6)1182-1186(2013) 2.Wang, Y., Zheng, J., Liu, P., et al. Three new compounds from *Aspergillus terreus* PT06-2 grown in a high salt medium *Mar. Drugs* 9(8)1368-1378(2011) 3.Zhou, Y., Mandi, A., Debbab, A., et al. New australides from the sponge-associated fungus *Aspergillus* sp. *Eur. J. Org. Chem.* 306009-6019(2011)

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