

Product Data Sheet

Product Name: Brevicompanine B

Cat. No.: GC40824

Chemical Properties

Cas. No. 215121-47-4

SMILES O=C([C@@]1([H])N2[C@@]3([H])[C@@](C(C=CC=C4)=C4N3)(C(C)(C)C=C)C1)N[C@H](CC(C)C)C2=O

Formula C₂₂H₂₉N₃O₂

M.Wt 367.5

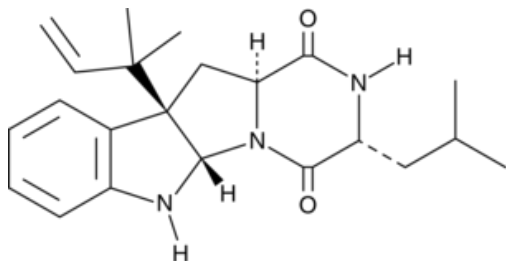
Solubility Soluble in DMSO

Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

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

Structure



Background

Brevicompanine B is a fungal metabolite originally isolated from *P. brevicompactum* that has plant growth and circadian rhythm regulatory activity. It inhibits hypocotyl elongation in lettuce seedlings when used at a concentration of 100 mg/L but does not inhibit elongation in rice seedlings at a concentration of 300 mg/L. Brevicompanine B (100 µM) inhibits primary root growth in *Arabidopsis* seedlings and disrupts the transcription of various genes involved in the regulation of plant circadian rhythm. It is active against *P. falciparum* with an IC₅₀ value of 35 mg/ml.

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