
Product Data Sheet

Product Name: Penigequinolone A

Cat. No.: GC19002

Chemical Properties

Cas. No. 180045-91-4

Chemical Name (3R,4R)-3,4-dihydro-4,5-dihydroxy-3-methoxy-4-(4-methoxyphenyl)-6-[(1E)-2-[(2S)-tetrahydro-2,5,5-trimethyl-2H-pyran-2-yl]ethenyl]-2(1H)-quinolinone

SMILES CC1(C)CC[C@](/C=C/C2=C(O)C([C@@](C3=CC=C(OC)C=C3)(O)[C@@H](OC)C(N4)=O)=C4C=C2)(C)OC1Formula C₂₇H₃₃NO₆ M.Wt 467.6

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**

Penigequinolone A is an alkaloid isolated from *Penicillium*. It is lethal to *P. penetrans* (LD₅₀ = 100 mg/L) but has no effect on *C. elegans* at concentrations up to 1000 mg/L. Penigequinolone A also accelerates the root growth of rice seedlings in a dose-dependent manner.

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