

Product Data Sheet

Product Name: NG 012
Cat. No.: GC44389

Chemical Properties

Cas. No. 141731-76-2

SMILES OC(C=C1O)=CC(C[C@@H](C)OC(C[C@@H](C)OC(C2=C(O)C=C(O)C=C2C[C@@H](C)OC(C[C@@H](CO)OC(C[C@@H](C)O3)=O)=O)=O)=O=C1C3=O

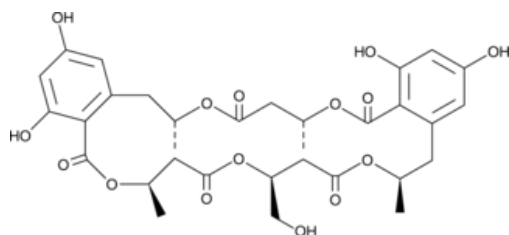
Formula C32H38O15 M.Wt 662.6

Solubility Chloroform: 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

NG 012 is a fungal metabolite originally isolated from *P. verruculosum* that has fungicidal and nerve growth factor-potentiating properties. It inhibits the growth of the plant pathogenic fungi *B. cinerea*, *P. teres*, *P. lingam*, *S. sclerotiorum*, and *M. fructigena* in vitro. NG 012 (50 µM) increases the efficacy of the antifungal miconazole against *C. albicans*, reducing the IC50 value from 19.2 to 2.5 µM. It also potentiates neurite outgrowth induced by nerve growth factor (NGF) in PC12 cells in a concentration-dependent manner.

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

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