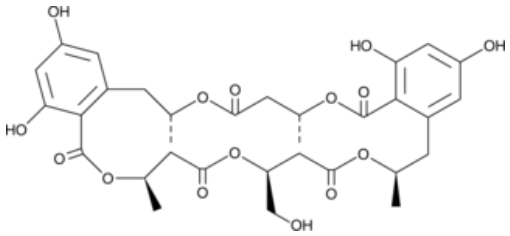
# Product Data Sheet

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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