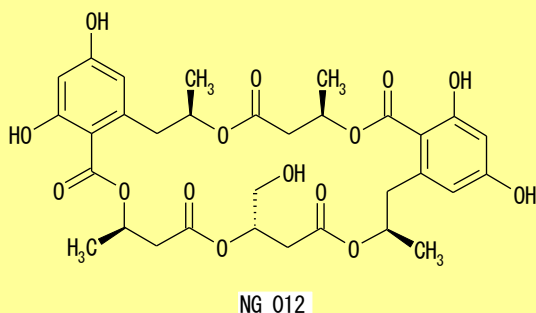


Structure



Origin: *Penicillium* sp. FKI-5387

CAS Registry Number: 141731-76-2

CA Index Name: (3R,7S,11R,17R,21R)-7-(Hydroxymethyl)-3,11,17,21-tetramethyl-13,14:23,24-bis[1,3]butadieno-25,27,29,31-tetrahydroxy-2,6,10,16,20-pentaoxacyclotetracos-13,23-diene-1,5,9,15,19-pentone, Orbuticin derivative

Appearance: Pale White solid

Molecular Formula/ Weight: C₃₂H₃₈O₁₅=662.65

Melting Point: 109–112°C **Purity:** 95>% by HPLC

Solubility: Sol. MeOH, EtOH, EtOAc, Chloroform, Acetonitrile, Acetone
Inso. Water, Hexane

pKa:

log P:

Background Information:

Nerve growth factor potentiator. NG-012, novel potentiators of nerve growth factor (NGF), were isolated from the culture broth of *Penicillium verruculosum* F-4542^{1, 2}.

Handling and Storage:

Store at -20°C.

References:

1. M. Ito, et al. *J Antibiot* **45**, 1559-1565 (1992).
2. M. Ito, et al. *J Antibiot* **45**, 1566-1572 (1992).