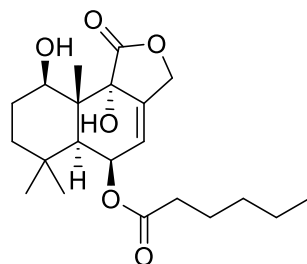


Nanangenine B

Code No.: **BIA-N2402**

Pack sizes: **1 mg, 5 mg**



Synonyms :

Specifications

CAS #	: NA
Molecular Formula	: C₂₁H₃₂O₆
Molecular Weight	: 380.5
Source	: <i>Aspergillus nanangensis</i>
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

The nanangenines are newly discovered drimane sesquiterpenoid metabolites from a hitherto undescribed Australian fungus, *Aspergillus nanangensis*. Nanangenine B is a drimane lactone bearing a C6 acyl side chain. Nanangenine C has weak activity against *B. subtilis* (IC₅₀ 62 µg/mL) and NS-1 cell line (IC₅₀ 38 µg/mL) but was inactive against tumor cell lines (mouse myeloma NS-1 cell, human prostate DU-145 and human breast adenocarcinoma MC-7) and neonatal foreskin. The nanangenines did not exhibit Gram negative antibacterial, herbicidal or antifungal activity.

References

1. Nanangenines: drimane sesquiterpenoids as the dominant metabolite cohort of a novel Australian fungus, *Aspergillus nanangensis*. Lacey H.J. et al. *Beilstein J Org Chem.* 2019, 15, 2631.