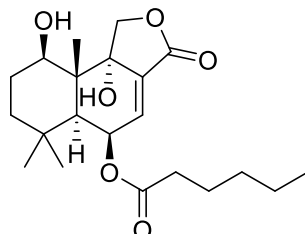


Isonanangenine B

Code No.: **BIA-I2400**

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



Synonyms :

Specifications

CAS #	: 1623153-14-9
Molecular Formula	: C ₂₁ H ₃₂ O ₆
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*. Isonanangenine B is an acylated drimane bearing an isomeric lactone. Isonanangenine B had modest activity against *B. subtilis* (IC₅₀ 56 µg/mL) but the most cytotoxic of the nanangenines against several tumor cell lines (mouse myeloma NS-1 cell, human prostate DU-145 cell line and human breast adenocarcinoma MC-7; IC₅₀ 0.16, 0.9, 0.19 and 0.19 µg/mL, respectively). The nanangenines did not exhibit Gram negative antibacterial, antifungal or herbicidal 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.