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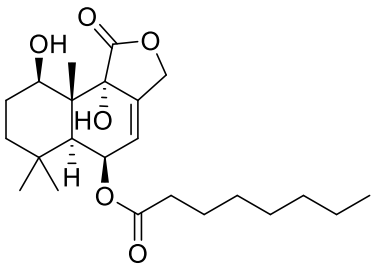
PRODUCT DATA SHEET

Nanangenine D

Code No.: **BIA-N2531**

Pack sizes: **0.5 mg, 2.5 mg**



Synonyms :

Specifications

CAS #	:	**NA**
Molecular Formula	:	**$C_{23}H_{36}O_6$**
Molecular Weight	:	**408.5**
Source	:	***Aspergillus nanangensis***
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 D is a drimane lactone bearing a C8 acyl side chain. Nanangenine D has potent activity against B. subtilis (IC50 5.7 µg/mL) and was active against tumor cell lines (mouse myeloma NS-1 cell, human prostate DU-145 and human breast adenocarcinoma MC-7; IC50 19 - 37 µg/mL) and neonatal foreskin cell line. The nanangenines did not exhibit Gram negativeantibacterial, 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.

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