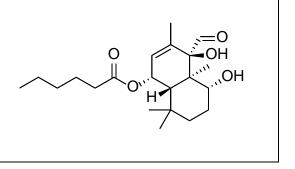
# **Product data sheet**



MedKoo Cat#: 464355				
Name: Nanangenine F				
CAS: unknown				
Chemical Formula: C <sub>21</sub> H <sub>34</sub> O <sub>5</sub>				
Exact Mass: 366.2406				
Molecular Weight: 366.498				
Product supplied as:	Powder			
Purity (by HPLC):	$\geq 98\%$			
Shipping conditions	Ambient temperature			
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years.			
-	In solvent: -80°C 3 months; -20°C 2 weeks.			



# 1. Product description:

Nanangenine F is a drimane sesquiterpene fungal metabolite that has been found in A. nanangensis. It is active against B. subtilis  $(IC50 = 78 \mu g/ml)$  and cytotoxic to NS-1, DU145, and MCF-7 cancer and NFF non-cancerous cells ( $IC50s = 49, 95, 49, and 84 \mu g/ml$ , respectively).

#### 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

#### 3. Solubility data

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Solvent	Max Conc. mg/mL	Max Conc. mM		
TBD	TBD	TBD		

#### 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.73 mL	13.64 mL	27.29 mL
5 mM	0.55 mL	2.73 mL	5.46 mL
10 mM	0.27 mL	1.36 mL	2.73 mL
50 mM	0.06 mL	0.27 mL	0.55 mL

# 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

#### 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

# 7. Bioactivity

**Biological target:** 

Nanangenine F is a drimane sesquiterpene fungal metabolite that has been found in A. nanangensis. It is active against B. subtilis  $(IC50 = 78 \mu g/ml)$  and cytotoxic to NS-1, DU145, and MCF-7 cancer and NFF non-cancerous cells  $(IC50s = 49, 95, 49, and 84 \mu g/ml, respectively)$ .

In vitro activity

TBD

In vivo activity

TBD

# **Product data sheet**



Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.