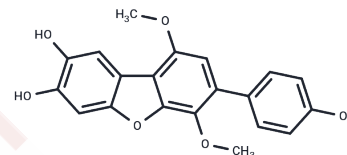


Candidusin A

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 81474-59-1 |
| Formula: | C ₂₀ H ₁₆ O ₆ |
| Molecular Weight: | 352.34 |
| Storage: | Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA. |



Biological Description

| | |
|---------------|---|
| Description | Candidusin A (CHNQD-0803) (Compound 4) is an AMPK activator with a KD of 47.28 nM. This compound can be isolated from the marine fungus <i>Aspergillus candidus</i> . Candidusin A exhibits cytotoxic activity against human prostate cancer cells (22Rv1, PC-3, and LNCaP cells) and induces apoptosis. It reduces lipogenic gene expression and fat deposition, downregulates the NF-κB-TNFα inflammatory axis to suppress inflammation, and improves liver injury and fibrosis. Candidusin A is applicable in the study of non-alcoholic steatohepatitis (NASH). |
| Targets(IC50) | Apoptosis, NF-κB, AMPK, TNF |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.8382 mL | 14.1908 mL | 28.3817 mL |
| 5 mM | 0.5676 mL | 2.8382 mL | 5.6763 mL |
| 10 mM | 0.2838 mL | 1.4191 mL | 2.8382 mL |
| 50 mM | 0.0568 mL | 0.2838 mL | 0.5676 mL |

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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