

Product Data Sheet

Product Name: Agaric acid

Cat. No.: GC63642

Chemical Properties

Cas. No. 666-99-9

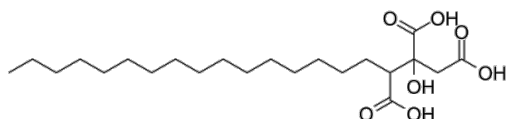
Formula $C_{22}H_{40}O_7$ M.Wt 416.55

Solubility DMSO : 125 mg/mL (300.08 mM; Storage 4°C, protect from light
Need ultrasonic)

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Agaric acid (Agaricinic Acid) is obtained from various plants of the fungous tribe, i.e. Polyporus officinalis and Polyporus igniarius. Agaric acid induces mitochondrial permeability transition through its interaction with the adenine nucleotide translocase. Agaric acid promotes efflux of accumulated Ca^{2+} , collapse of transmembrane potential, and mitochondrial swelling. Agaric acid is used to regulate lipid metabolism[1].

[1]. García N, et al. Agaric acid induces mitochondrial permeability transition through its interaction

Caution: Product has not been fully validated for medical applications. For research use only.

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