

Product Name	: Agaric acid
Synonyms	: Agaricinic Acid
Cat No.	: M24679
CAS Number	: 666-99-9
Molecular Formula	: C ₂₂ H ₄₀ O ₇
Formula Weight	: 416.6
Chemical Name	: —
Description	: Agaricic acid is an adenine nucleotide translocase antagonist. It is obtained from various plants of the fungous tribe, i.e. Polyporus officinalis and Polyporus ignarius. 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.
Pathway	: Endocrinology/Hormones
Target	: AChR
Receptor	: adenine nucleotide translocase
Solubility	: DMSO: 10 mM
SMILES	: <chem>CCCCCCCCCCCCCCCCC(C(=O)=O)C(C(=O)=O)(O)CC(O)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. García N, et al. Agaric acid induces mitochondrial permeability transition through its interaction with the adenine nucleotide translocase. Its dependence on membrane fluidity. Mitochondrion. 2005 Aug;5(4):272-81.