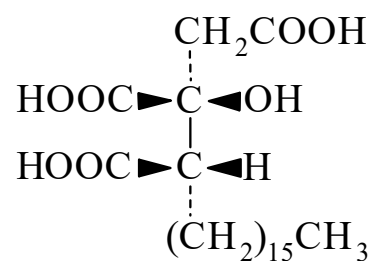




>>Entry Name: 2-Hydroxy-1,2,3-nonadecanetricarboxylic acid, 8Cl

Synonym(s): Agaric acid. Agaricic acid. Agaricin. Laricic acid. Agaricinic acid. Laricin



CAS Registry Number: 666-99-9

Molecular Formula: $\text{C}_{22}\text{H}_{40}\text{O}_7$

Molecular Weight: 416.554

Accurate Mass: 416.277405

Percentage Composition: C 63.44%; H 9.68%; O 26.89%

Sigma: A6585

>>Variant: (2*S*,3*S*)-form

Molecular Formula: $\text{C}_{22}\text{H}_{40}\text{O}_7$

Molecular Weight: 416.554

Accurate Mass: 416.277405

Percentage Composition: C 63.44%; H 9.68%; O 26.89%

Biological Source: Constit. of *Polyporus officinalis*

Physical Description: Leaflets + 1½ H₂O (EtOH aq.). Anhyd. at 100°

Melting Point: Mp 141.5-142°

Optical Rotation: $[\alpha]_{\text{D}}^{19} -8.84$ (NaOH)

Solubility: Spar. sol. EtOH, Et₂O

>>Derivative: Tri-Me ester

Molecular Formula: $\text{C}_{25}\text{H}_{46}\text{O}_7$

Molecular Weight: 458.634

Accurate Mass: 458.324355

Percentage Composition: C 65.47%; H 10.11%; O 24.42%

Melting Point: Mp 63-64°

>>Derivative: Tri-Et ester

CAS Registry Number: 42065-60-1

Molecular Formula: $\text{C}_{28}\text{H}_{52}\text{O}_7$

Molecular Weight: 500.715

Accurate Mass: 500.371305

Percentage Composition: C 67.17%; H 10.47%; O 22.37%

Melting Point: Mp 36-37°

References:

Thoms, H. *et al.*, *Annalen*, 1907, **357**, 145, (*struct*)

Evans, D.W.S., *J.C.S.*, 1959, 1313

Karrer, W. *et al.*, *Konstitution und Vorkommen der Organischen Pflanzenstoffe*, 2nd edn., Birkhäuser Verlag, Basel, 1972, 882, (*bibl*)

Brandange, S. *et al.*, *Acta Chem. Scand., Ser. B*, 1977, **31**, 307, (*abs config*)