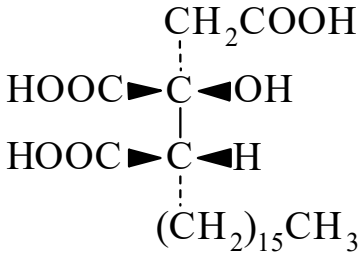
>>**Entry Name: 2-Hydroxy-1,2,3-nonadecanetricarboxylic acid,** 8CI
Synonym(s): Agaric acid. Agaricic acid. Agaricin. Laricic acid. Agaricinic acid. Laricin



CAS Registry Number: 666-99-9

Molecular Formula: $C_{22}H_{40}O_7$
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: $C_{22}H_{40}O_7$
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 H_2O (EtOH aq.). Anhyd. at 100°
Melting Point: Mp 141.5-142°
Optical Rotation: $[\alpha]_D^{19}$ –8.84 (NaOH)
Solubility: Spar. sol. EtOH, Et_2O

>>**Derivative:** Tri-Me ester

Molecular Formula: $C_{25}H_{46}O_7$
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: $C_{28}H_{52}O_7$
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)*