



Formula: C₅₆H₉₂O₂₉

MW: 1229.33

CAS: 11024-24-1

MDL: MFCD08741672

TNP: TNP00392

(2.alpha.,3.beta.,5.alpha.,15.beta.,25R)-2,15-dihydroxyspirostan-3-yl O-.beta.-D-glucopyranosyl-(1.beta.-D-Galactopyranoside;
beta-d-galactopyranoside,(2alpha,3beta,5alpha,15beta,25theta)-2,15-dihyd;
osyl-(1.fwdarw.2)-o-[beta-d-xylopyranosyl-(1.fwdarw.3)]-o-



LogP: 2.65

LogS: -4.38

Acceptors: 29

Donors: 17

Rotation Bonds: 4

Chiral Centers: 38

N+O: 29

LIPINSKY: 1

Info: Digitonin, clinical reagent. Chlestrerol determination

IUPAC: 6-(6-{2-[(2R,3R,4R,5R,6R)-6-((8S,9S,13S,15S,18S,19S,24S,7R,10R,12R,14R,21R,22R)-9,21-dihydroxy-3,13,15,19-tetramethyl-11-oxaspiro[2H-3,4,5,6-tetrahydropyran-6,6'-pentacyclo[10.8.0.0.0.0]icosane]-22-yloxy)-4,5-dihydrox

621 (1963). Use as clinical reagent: H. H. Leffler, Am. J. Clin. Pathol. 31, 310 (1959).

Properties: Crystals from alc, sinters 225. Indistinct mp 235-240. $[\alpha]_{D20} -54$ (0.45 g in 15.8 ml methanol). One gram dissolves in 57 ml abs alc, in 220 ml 95% alc. Practically insol in water, forming a soapy suspension. Also practically insol in chloroform, ether.

Melting point: Indistinct mp 235-240

Optical Rotation: $[\alpha]_{D20} -54$ (0.45 g in 15.8 ml methanol)

Use: Clinical reagent (cholesterol determination).