



Percentage Composition: C 59.49%; H 7.49%; O 33.02%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 129-130°

>>**Derivative:** 1-Benzyl, 2,3:4,5-di-*O*-isopropylidene

Synonym(s): 1-*O*-Benzyl-2,3:4,5-di-*O*-isopropylidene-D-arabinitol

CAS Registry Number: 19139-73-2

Molecular Formula: C₁₈H₂₆O₅

Molecular Weight: 322.4

Accurate Mass: 322.178025

Percentage Composition: C 67.06%; H 8.13%; O 24.81%

Boiling Point: Bp₁₁ 185-188°

Refractive Index: n_D²⁰ 1.4989

>>**Derivative:** 2,3,5-Tribenzyl

Synonym(s): 2,3,5-Tri-*O*-benzyl-D-arabinitol

CAS Registry Number: 14233-53-5

Molecular Formula: C₂₆H₃₀O₅

Molecular Weight: 422.52

Accurate Mass: 422.209325

Percentage Composition: C 73.91%; H 7.16%; O 18.93%

Physical Description: Cryst. (Et₂O/pentane)

Melting Point: Mp 54-55°

Optical Rotation: [α]_D +1.3 (c, 4.1 in CHCl₃)

>>**Derivative:** 1-Trityl, 2,3,5-tribenzyl

Synonym(s): 2,3,5-Tri-*O*-benzyl-1-*O*-trityl-D-arabinitol

CAS Registry Number: 14233-55-7

Molecular Formula: C₄₅H₄₄O₅

Molecular Weight: 664.84

Accurate Mass: 664.318875

Percentage Composition: C 81.30%; H 6.67%; O 12.03%

Melting Point: Mp 103-104°. Mp 150.5-152°

Optical Rotation: [α]_D -7.3 (c, 1.37 in Py)

>>**Derivative:** 5-*O*-(6-*O*-3,4-Dihydroxy-*E*-cinnamoyl-β-D-glucopyranoside)

Molecular Formula: C₂₀H₂₈O₁₃

Molecular Weight: 476.433

Accurate Mass: 476.152995

Percentage Composition: C 50.42%; H 5.92%; O 43.66%

Biological Source: Constit. of the leaves of *Lonicera gracilipes* var. *glandulosa*

Physical Description: Amorph. powder

Optical Rotation: [α]_D³⁰ -11.1 (c, 0.2 in MeOH)

>>**Variant:** L-form

CAS Registry Number: 7643-75-6

Molecular Formula: C₅H₁₂O₅

Molecular Weight: 152.147

Accurate Mass: 152.068475

Percentage Composition: C 39.47%; H 7.95%; O 52.58%

Biological Source: Occurs in urine of pentosuric subjects

Melting Point: Mp 102°

Optical Rotation: [α]_D -5 (borax)

Aldrich: 85135-3

Fluka: 10870

Sigma: A3506