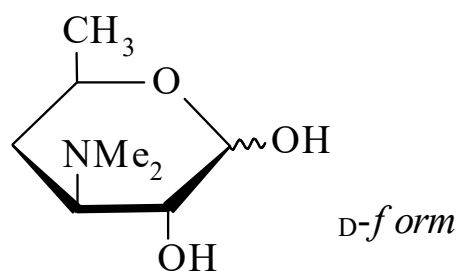




>>Entry Name: 3,4,6-Trideoxy-3-dimethylamino-xylo-hexose

Synonym(s): Desosamine. Picrocin. Pikrocin



Molecular Formula: C₈H₁₇NO₃

Molecular Weight: 175.227

Accurate Mass: 175.120844

Percentage Composition: C 54.84%; H 9.78%; N 7.99%; O 27.39%

>>Variant: D-form

CAS Registry Number: 5779-39-5

Molecular Formula: C₈H₁₇NO₃

Molecular Weight: 175.227

Accurate Mass: 175.120844

Percentage Composition: C 54.84%; H 9.78%; N 7.99%; O 27.39%

Biological Source: Component of Erythromycin [BDQ81-E](#), Narbomycin [CJV44-V](#), Picromycin [HCQ30-V](#), Methymycin [CKH85-X](#), Neomethymycin [HDL03-X](#), Oleandomycin [BDQ94-K](#), Griseomycin [CKT35-Q](#) and Plicacetin [HJB45-D](#)

Physical Description: Cryst. (Et₂O/petrol)

Melting Point: Mp 83-83.5°

>>Derivative: Hydrochloride

Physical Description: Needles (EtOH/Et₂O)

Melting Point: Mp 189-190°. Mp 130° (hydrate)

Optical Rotation: [α]_D²⁰+51 (equilib., c, 2.0 in H₂O)

>>Derivative: Di-Ac

Molecular Formula: C₁₂H₂₁NO₅

Molecular Weight: 259.302

Accurate Mass: 259.141974

Percentage Composition: C 55.58%; H 8.16%; N 5.40%; O 30.85%

Physical Description: Cryst. (C₂H₄Cl₂/Et₂O)

Melting Point: Mp 194-195 dec.°

>>Variant: α -D-Pyranose-form

Molecular Formula: C₈H₁₇NO₃

Molecular Weight: 175.227

Accurate Mass: 175.120844

Percentage Composition: C 54.84%; H 9.78%; N 7.99%; O 27.39%

>>Derivative: Et glycoside

Synonym(s): Ethyl 3,4,6-trideoxy-3-dimethylamino- α -D-xylo-hexopyranoside

Molecular Formula: C₁₀H₂₁NO₃

Molecular Weight: 203.281

Accurate Mass: 203.152144

Percentage Composition: C 59.09%; H 10.41%; N 6.89%; O 23.61%

Optical Rotation: [α]_D²⁵+57 (c, 0.79 in CHCl₃)

>>Variant: β -D-Pyranose-form

Molecular Formula: C₈H₁₇NO₃

Molecular Weight: 175.227

Accurate Mass: 175.120844

Percentage Composition: C 54.84%; H 9.78%; N 7.99%; O 27.39%