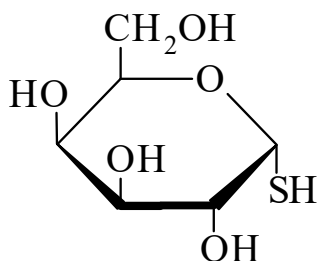




>>Entry Name: 1-Thiogalactose



α -D-Pyranose form

Molecular Formula: C₆H₁₂O₅S

Molecular Weight: 196.224

Accurate Mass: 196.040545

Percentage Composition: C 36.73%; H 6.16%; O 40.77%; S 16.34%

>>Variant: α -D-Pyranose-form

Molecular Formula: C₆H₁₂O₅S

Molecular Weight: 196.224

Accurate Mass: 196.040545

Percentage Composition: C 36.73%; H 6.16%; O 40.77%; S 16.34%

>>Derivative: Et glycoside

Synonym(s): Ethyl 1-thio- α -D-galactopyranoside

CAS Registry Number: 73494-52-7

Molecular Formula: C₈H₁₆O₅S

Molecular Weight: 224.277

Accurate Mass: 224.071845

Percentage Composition: C 42.84%; H 7.19%; O 35.67%; S 14.30%

Physical Description: Needles (EtOH)

Melting Point: Mp 154°

Optical Rotation: [α]_D²⁷ +320 (c, 0.55 in H₂O)

>>Derivative: Et glycoside, tetra-Ac

Synonym(s): Ethyl 2,3,4,6-tetra-*O*-acetyl-1-thio- α -D-galactopyranoside

CAS Registry Number: 126187-25-5

Molecular Formula: C₁₆H₂₄O₉S

Molecular Weight: 392.426

Accurate Mass: 392.114105

Percentage Composition: C 48.97%; H 6.16%; O 36.69%; S 8.17%

Physical Description: Cryst. (Et₂O/hexane)

Melting Point: Mp 108-109°

Optical Rotation: [α]_D +218 (CHCl₃)

>>Derivative: Isopropyl glycoside

Molecular Formula: C₉H₁₈O₅S

Molecular Weight: 238.304

Accurate Mass: 238.087495

Percentage Composition: C 45.36%; H 7.61%; O 33.57%; S 13.46%

Physical Description: Cryst. (dioxan)

Melting Point: Mp 110°

Aldrich: 43458-2

Fluka: 59740

Sigma: I5502

Other: MG: Z2975