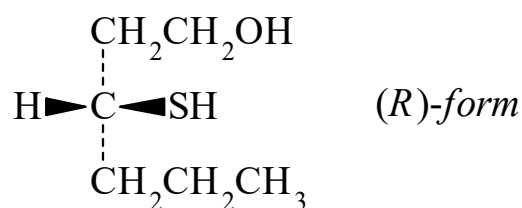




>>Entry Name: 3-Mercapto-1-hexanol
ENTRY UNDER REVIEW



CAS Registry Number: 51755-83-0

Molecular Formula: C₆H₁₄OS
Molecular Weight: 134.242
Accurate Mass: 134.076535
Percentage Composition: C 53.68%; H 10.51%; O 11.92%; S 23.89%

>>Variant: (R)-form

CAS Registry Number: 90180-88-4
Molecular Formula: C₆H₁₄OS
Molecular Weight: 134.242
Accurate Mass: 134.076535
Percentage Composition: C 53.68%; H 10.51%; O 11.92%; S 23.89%
Optical Rotation: $[\alpha]_{\text{D}}^{20} -6.18$ (c, 10 in CCl₄)

>>Derivative: S-Me
Synonym(s): 3-(Methylthio)-1-hexanol

CAS Registry Number: 90180-89-5
Molecular Formula: C₇H₁₆OS
Molecular Weight: 148.269
Accurate Mass: 148.092185
Percentage Composition: C 56.71%; H 10.88%; O 10.79%; S 21.63%
Physical Description: Oil with weakly herbal odour
Optical Rotation: $[\alpha]_{\text{D}}^{20} -11.05$ (c, 6.85 in CCl₄)

>>Variant: (S)-form

CAS Registry Number: 90180-90-8
Molecular Formula: C₆H₁₄OS
Molecular Weight: 134.242
Accurate Mass: 134.076535
Percentage Composition: C 53.68%; H 10.51%; O 11.92%; S 23.89%
Optical Rotation: $[\alpha]_{\text{D}}^{20} +6.2$ (c, 10 in CCl₄)

>>Derivative: S-Me

CAS Registry Number: 90180-91-9
Molecular Formula: C₇H₁₆OS
Molecular Weight: 148.269
Accurate Mass: 148.092185
Percentage Composition: C 56.71%; H 10.88%; O 10.79%; S 21.63%
Physical Description: Oil with exotic, fruity odour
Optical Rotation: $[\alpha]_{\text{D}}^{20} +11.1$ (c, 6.6 in CCl₄)

>>Variant: (±)-form

Molecular Formula: C₆H₁₄OS
Molecular Weight: 134.242
Accurate Mass: 134.076535
Percentage Composition: C 53.68%; H 10.51%; O 11.92%; S 23.89%
Physical Description: Oil with intensely sulfurous odour
Boiling Point: Bp₁₀ 61-62°

>>Derivative: S-Me
Synonym(s): 3-(Methylthio)-1-hexanol. FEMA 3438

CAS Registry Number: 149403-20-3