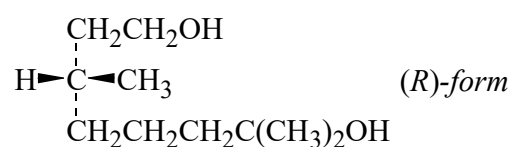




>>Entry Name: 3,7-Dimethyl-1,7-octanediol, 9Cl, 8Cl

Synonym(s): Hydroxycitronellol



CAS Registry Number: 107-74-4

Related CAS Registry Numbers(s): 98206-63-4

Molecular Formula: C<sub>10</sub>H<sub>22</sub>O<sub>2</sub>

Molecular Weight: 174.283

Accurate Mass: 174.16198

Percentage Composition: C 68.92%; H 12.72%; O 18.36%

>>Variant: (R)-form

CAS Registry Number: 122612-23-1

Molecular Formula: C<sub>10</sub>H<sub>22</sub>O<sub>2</sub>

Molecular Weight: 174.283

Accurate Mass: 174.16198

Percentage Composition: C 68.92%; H 12.72%; O 18.36%

Boiling Point: Bp<sub>15</sub> 156°

Optical Rotation: [α]<sub>D</sub><sup>10</sup> +1.4

Density: d<sub>4</sub><sup>20</sup> 0.935

Refractive Index: n<sub>D</sub><sup>20</sup> 1.4610

Other Data: (S)-form also known

>>Variant: (±)-form

Molecular Formula: C<sub>10</sub>H<sub>22</sub>O<sub>2</sub>

Molecular Weight: 174.283

Accurate Mass: 174.16198

Percentage Composition: C 68.92%; H 12.72%; O 18.36%

Boiling Point: Bp<sub>2</sub> 80-82°

Density: d<sub>4</sub><sup>20</sup> 0.934

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4354

>>Derivative: 1-Ac

CAS Registry Number: 33730-41-5

Molecular Formula: C<sub>12</sub>H<sub>24</sub>O<sub>3</sub>

Molecular Weight: 216.32

Accurate Mass: 216.172545

Percentage Composition: C 66.63%; H 11.18%; O 22.19%

Boiling Point: Bp<sub>0.02</sub> 82-84°

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4436

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