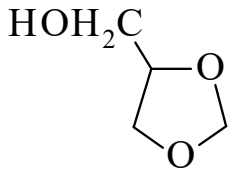
>>**Entry Name: 1,3-Dioxolane-4-methanol,** 9CI

Synonym(s): Glycerol 1,2-methylene ether. 4-Hydroxymethyldioxolane. Glycerol α-formal



CAS Registry Number: 5464-28-8
Related CAS Registry Numbers(s): 67800-60-6 113889-83-1 114564-11-3
Type of Compound Code(s): AF8500

Molecular Formula: $C_4H_8O_3$
Molecular Weight: 104.105
Accurate Mass: 104.047345
Percentage Composition: C 46.15%; H 7.75%; O 46.11%
Use/Importance: Solvent
Hazard & Toxicity: Low acute tox.

>>**Variant:** (±)-form

CAS Registry Number: 96480-04-5
Molecular Formula: $C_4H_8O_3$
Molecular Weight: 104.105
Accurate Mass: 104.047345
Percentage Composition: C 46.15%; H 7.75%; O 46.11%
Boiling Point: Bp 195°. Bp_{11} 84-85°
Density: d_4^{20}1.21
Refractive Index: n_D^{20} 1.4477

>>**Derivative:** Phenylurethane

Melting Point: Mp 72°

>>**Derivative:** Benzoyl

CAS Registry Number: 22397-01-9
Molecular Formula: $C_{11}H_{12}O_4$
Molecular Weight: 208.213
Accurate Mass: 208.07356
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
Physical Description: Prisms
Melting Point: Mp 26°
Boiling Point: Bp_{15} 172-175°

>>**Derivative:** Me ether
Synonym(s): 4-(Methoxymethyl)-1,3-dioxolane

CAS Registry Number: 2094-91-9
Molecular Formula: $C_5H_{10}O_3$
Molecular Weight: 118.132
Accurate Mass: 118.062995
Percentage Composition: C 50.84%; H 8.53%; O 40.63%
Physical Description: Mobile liq.
Boiling Point: Bp 147°

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