



>>Entry Name: 1,2-Tetradecanediol

CAS Registry Number: 21129-09-9

$\text{H}_3\text{C}(\text{CH}_2)_{11}\text{CH}(\text{OH})\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{14}\text{H}_{30}\text{O}_2$

Molecular Weight: 230.39

Accurate Mass: 230.22458

Percentage Composition: C 72.99%; H 13.12%; O 13.89%

Aldrich: 26029-0

Fluka: 87145

>>Variant: ($\pm$)-form

Molecular Formula: $\text{C}_{14}\text{H}_{30}\text{O}_2$

Molecular Weight: 230.39

Accurate Mass: 230.22458

Percentage Composition: C 72.99%; H 13.12%; O 13.89%

Melting Point: Mp 77.6-77.9° (68-68.5°)

>>Derivative: Di-Ac

Molecular Formula: $\text{C}_{18}\text{H}_{34}\text{O}_4$

Molecular Weight: 314.464

Accurate Mass: 314.24571

Percentage Composition: C 68.75%; H 10.90%; O 20.35%

Boiling Point: Bp 154.5°

References:

Swern, D. *et al.*, *J.A.C.S.*, 1946, **68**, 1506, (*synth*)

Horn, D.H.S. *et al.*, *J.C.S.*, 1954, 177, (*synth, di-Ac*)