



>>Entry Name: 1-Hexacosanol, 9CI

Synonym(s): Ceryl alcohol

CAS Registry Number: 506-52-5

Extra CAS Registry Numbers(s): 28346-64-7

$\text{H}_3\text{C}(\text{CH}_2)_{24}\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{26}\text{H}_{54}\text{O}$

Molecular Weight: 382.712

Accurate Mass: 382.417465

Percentage Composition: C 81.60%; H 14.22%; O 4.18%

Biological Source: Occurs as fatty acid esters in Chinese insect wax and many other waxes

Melting Point: Mp 80°

Boiling Point: Bp₇₀ 305° dec.

Aldrich: 28259-6

Fluka: 52191

Sigma: H5894

>>Derivative: Ac

CAS Registry Number: 822-32-2

Molecular Formula: $\text{C}_{28}\text{H}_{56}\text{O}_2$

Molecular Weight: 424.749

Accurate Mass: 424.42803

Percentage Composition: C 79.18%; H 13.29%; O 7.53%

Melting Point: Mp 65° (62-63°)

Sigma: H2514

>>Derivative: Tetracosanoyl

Synonym(s): Hexacosyl tetracosanoate. Ceryl lignocerate

CAS Registry Number: 121878-03-3

Molecular Formula: $\text{C}_{50}\text{H}_{100}\text{O}_2$

Molecular Weight: 733.339

Accurate Mass: 732.77233

Percentage Composition: C 81.89%; H 13.74%; O 4.36%

Biological Source: Constit. of *Cereus peruvianus* and *Scutellaria lateriflora*. Component of Chong Bai La

>>Derivative: Hexacosanoyl

Synonym(s): Hexacosyl hexacosanoate

CAS Registry Number: 10210-18-1

Molecular Formula: $\text{C}_{52}\text{H}_{104}\text{O}_2$

Molecular Weight: 761.392

Accurate Mass: 760.80363

Percentage Composition: C 82.03%; H 13.77%; O 4.20%

Biological Source: Constit. of various plant spp. incl. *Artemisia* sp., *Clethra* sp., *Eriopeltis* sp. and *Tricholepis* sp.

Melting Point: Mp 84.3°

>>Derivative: Octacosanoyl

Synonym(s): Hexacosyl octacosanoate. Ceryl montanate

CAS Registry Number: 111601-53-7

Molecular Formula: $\text{C}_{54}\text{H}_{108}\text{O}_2$

Molecular Weight: 789.446

Accurate Mass: 788.83493

Percentage Composition: C 82.16%; H 13.79%; O 4.05%

Biological Source: Constit. of *Cereus peruvianus*. Component of Chong Bai La

References: