



>>Entry Name: 1-Docosanol

Synonym(s): Behenyl alcohol. Tadenan

CAS Registry Number: 661-19-8

Type of Compound Code(s): VA0100 XA2400

Molecular Formula: $\text{H}_3\text{C}(\text{CH}_2)_{20}\text{CH}_2\text{OH}$

Molecular Formula: $\text{C}_{22}\text{H}_{46}\text{O}$

Molecular Weight: 326.605

Accurate Mass: 326.354865

Percentage Composition: C 80.91%; H 14.20%; O 4.90%

Biological Source: Constit. of several waxes

Biological Use/Importance: Antiviral agent

Development Status: Approved by FDA (2000)

Melting Point: Mp 87° (70.8°, 73.4°)

Aldrich: 16910-2

Fluka: 43960

Sigma: B4755

>>Derivative: Phenylurethane

Melting Point: Mp 86-86.5°

>>Derivative: Ac

CAS Registry Number: 822-26-4

Type of Compound Code(s): VA0150

Molecular Formula: $\text{C}_{24}\text{H}_{48}\text{O}_2$

Molecular Weight: 368.642

Accurate Mass: 368.36543

Percentage Composition: C 78.20%; H 13.12%; O 8.68%

Biological Source: Minor constit. of female sex pheromones from *Sparganothis pilleriana* and *Agapeta zoegana*

Sigma: B4505

>>Derivative: Hexanoyl

Synonym(s): Docosyl hexanoate

CAS Registry Number: 78368-61-3

Type of Compound Code(s): VA0370

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%

Biological Source: Constit. of *Amomum villosum*. Component of Sha Ren

>>Derivative: Hexacosanoyl

Synonym(s): Docosyl hexacosanoate

CAS Registry Number: 108657-23-4

Type of Compound Code(s): VA0370

Molecular Formula: $\text{C}_{48}\text{H}_{96}\text{O}_2$

Molecular Weight: 705.285

Accurate Mass: 704.74103

Percentage Composition: C 81.74%; H 13.72%; O 4.54%

Biological Source: Constit. of the bark of *Chamaecyparis formosensis*