



Refractive Index: n_D^{25} 1.4387

Other Data: Undergoes radical homopolym. and copolym. Q/e values for copolym., Q 0.011, e -0.54

Fluka: 61725

>> **Derivative:** Benzyl ester

Synonym(s): Phenylmethyl dodecanoate. Benzyl laurate

CAS Registry Number: 140-25-0

Molecular Formula: $C_{19}H_{30}O_2$

Molecular Weight: 290.445

Accurate Mass: 290.22458

Percentage Composition: C 78.57%; H 10.41%; O 11.02%

Melting Point: Mp 8.5°

Boiling Point: Bp₁₂ 209-211°

Density: d_{25}^{25} 0.95

Refractive Index: n_D^{24} 1.4812

>> **Derivative:** Chloride

CAS Registry Number: 112-16-3

Molecular Formula: $C_{12}H_{23}ClO$

Molecular Weight: 218.766

Accurate Mass: 218.143742

Percentage Composition: C 65.88%; H 10.60%; Cl 16.21%; O 7.31%

Melting Point: Fp -17°

Boiling Point: Bp₁₈ 145°. Bp₁₀ 135-140°

Aldrich: 15693-0

Fluka: 61670

Sigma: L5503

>> **Derivative:** Amide

Synonym(s): Dodecanamide. Diamid Y

CAS Registry Number: 1120-16-7

Type of Compound Code(s): VX0250

Molecular Formula: $C_{12}H_{25}NO$

Molecular Weight: 199.336

Accurate Mass: 199.193614

Percentage Composition: C 72.31%; H 12.64%; N 7.03%; O 8.03%

Biological Source: Isol. from *Rhizoclonium hieroglyphicum*

Physical Description: Cryst.

Melting Point: Mp 110°

Boiling Point: Bp_{12.5} 199-200°

Rare Chemicals Library: S40834-4

>> **Derivative:** Dimethylamide

Synonym(s): *N,N*-Dimethyldodecanamide, 9CI

CAS Registry Number: 3007-53-2

Molecular Formula: $C_{14}H_{29}NO$

Molecular Weight: 227.389

Accurate Mass: 227.224914

Percentage Composition: C 73.95%; H 12.85%; N 6.16%; O 7.04%

Boiling Point: Bp_{0.3} 124°

>> **Derivative:** Diethylamide

CAS Registry Number: 3352-87-2

Molecular Formula: $C_{16}H_{33}NO$

Molecular Weight: 255.443

Accurate Mass: 255.256214

Percentage Composition: C 75.23%; H 13.02%; N 5.48%; O 6.26%

Boiling Point: Bp₂ 166-167°

Aldrich: 19419-0