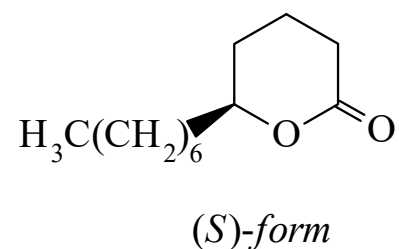




>>Entry Name: 6-Heptyltetrahydro-2H-pyran-2-one, 9CI

ENTRY UNDER REVIEW

Synonym(s): δ -Dodecalactone. 5-Dodecanolide. FEMA 2401



CAS Registry Number: 713-95-1

Related CAS Registry Numbers(s): 16400-73-0

Molecular Formula: $C_{12}H_{22}O_2$

Molecular Weight: 198.305

Accurate Mass: 198.16198

Percentage Composition: C 72.68%; H 11.18%; O 16.14%

Biological Source: Isol. from coconut oil, peach, raspberry, strawberry and other fruits, peppermint oil, cheeses, cooked meats and white wine

Use/Importance: Used in food flavouring and perfumery

Aldrich: 29807-7

>>Variant: (S)-form

CAS Registry Number: 108943-47-1

Molecular Formula: $C_{12}H_{22}O_2$

Molecular Weight: 198.305

Accurate Mass: 198.16198

Percentage Composition: C 72.68%; H 11.18%; O 16.14%

Optical Rotation: $[\alpha]_D -47.5$ (c, 2.0 in THF)

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

CAS Registry Number: 3051-22-7

Molecular Formula: $C_{12}H_{22}O_2$

Molecular Weight: 198.305

Accurate Mass: 198.16198

Percentage Composition: C 72.68%; H 11.18%; O 16.14%

Physical Description: Liq.

Melting Point: Mp -12°

Boiling Point: Bp_{0.03} 100-103 $^\circ$

Refractive Index: n_D^{25} 1.4684 n_D^{25} 1.4571

References:

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