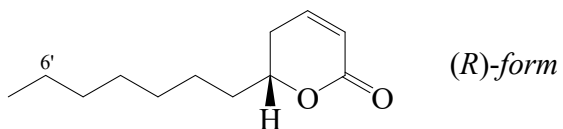




>>Entry Name: 6-Heptyl-5,6-dihydro-2*H*-pyran-2-one

ENTRY UNDER REVIEW

Synonym(s): 2-Dodecen-5-olide. 5-Hydroxy-2-dodecenoic acid lactone



CAS Registry Number: 16400-72-9

Molecular Formula: C₁₂H₂₀O₂

Molecular Weight: 196.289

Accurate Mass: 196.14633

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Biological Source: Minor constit. of the bark of *Cryptacara massoia*

Refractive Index: n_D²⁰ 1.4617

>>Variant: (*R*)-form

CAS Registry Number: 152398-49-7

Extra CAS Registry Numbers(s): 152398-50-0

Molecular Formula: C₁₂H₂₀O₂

Molecular Weight: 196.289

Accurate Mass: 196.14633

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

Boiling Point: Bp_{0.001} 135°

Optical Rotation: [α]_D²⁰ −78 (c, 1 in CHCl₃)

>>Derivative: 6'-Hydroxy

>>Variant: (±)-form

Molecular Formula: C₁₂H₂₀O₂

Molecular Weight: 196.289

Accurate Mass: 196.14633

Percentage Composition: C 73.43%; H 10.27%; O 16.30%

References:

Nobuhara, A. *et al.*, *Agric. Biol. Chem.*, 1968, **32**, 1016, (*synth*)

Cavill, G.W.K. *et al.*, *Aust. J. Chem.*, 1968, **21**, 2819, (*isol*)

Urbach, G. *et al.*, *Agric. Biol. Chem.*, 1972, **36**, 1217, (*ms*)