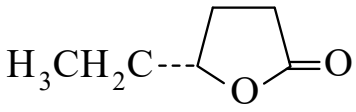
>>**Entry Name: 5-Ethyldihydro-2(3*H*)-furanone,** 9CI
ENTRY UNDER REVIEW
Synonym(s): 4-Hexanolactone. 4-Caprolactone. 4-Ethylbutyrolactone. 4-Hydroxyhexanoic acid lactone. 4-Hexanolide. γ-Hexalactone. FEMA 2556



(*R*)-*form*

CAS Registry Number: 695-06-7

Molecular Formula: $C_6H_{10}O_2$
Molecular Weight: 114.144
Accurate Mass: 114.06808
Percentage Composition: C 63.14%; H 8.83%; O 28.03%
Biological Source: Constit. of soft fruits. Pheromone for the beetle *Trogoderma granarium*
Use/Importance: Used in perfumery
Hazard & Toxicity: Skin irritant

Aldrich: 30383-6

>>**Variant:** (*R*)-form
CAS Registry Number: 63357-95-9
Molecular Formula: $C_6H_{10}O_2$
Molecular Weight: 114.144
Accurate Mass: 114.06808
Percentage Composition: C 63.14%; H 8.83%; O 28.03%
Optical Rotation: $[\alpha]_D^{20}$+53.2 (c, 1 in MeOH)

>>**Variant:** (*S*)-form

CAS Registry Number: 41035-07-8
Molecular Formula: $C_6H_{10}O_2$
Molecular Weight: 114.144
Accurate Mass: 114.06808
Percentage Composition: C 63.14%; H 8.83%; O 28.03%
Optical Rotation: $[\alpha]_D^{20}$–53.2 (c, 1 in MeOH)

>>**Variant:** (±)-form

CAS Registry Number: 57129-70-1

Molecular Formula: $C_6H_{10}O_2$
Molecular Weight: 114.144
Accurate Mass: 114.06808
Percentage Composition: C 63.14%; H 8.83%; O 28.03%
Use/Importance: Flavouring ingredient
Boiling Point: Bp 215-216°. $Bp_{0.2}$ 50-60° (bath)
Solubility: Sol. aq. alkalis

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