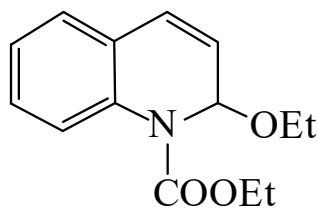




>>Entry Name: 1-Ethoxycarbonyl-2-ethoxy-1,2-dihydroquinoline

Synonym(s): Ethyl 1(2*H*)-quinolinecarboxylate, 9Cl, 8Cl. EEDQ



CAS Registry Number: 16357-59-8

Molecular Formula: C₁₄H₁₇NO₃

Molecular Weight: 247.293

Accurate Mass: 247.120844

Percentage Composition: C 68.00%; H 6.93%; N 5.66%; O 19.41%

Aldrich: 14983-7

Fluka: 2541

Sigma: E1004

>>Variant: (±)-form

Molecular Formula: C₁₄H₁₇NO₃

Molecular Weight: 247.293

Accurate Mass: 247.120844

Percentage Composition: C 68.00%; H 6.93%; N 5.66%; O 19.41%

Use/Importance: Reagent replacing Dicyclohexylcarbodiimide [CSJ48-C](#) in Merrifield solid-phase peptide synth. Potent CNS depressant

Melting Point: Mp 63.5-65°

Hazard & Toxicity: LD₅₀ (mus, ipr) 32 mg/kg

References:

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Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1974, **4**, 223

Cremin, D.J. *et al.*, *J.C.S. Perkin 2*, 1980, 412, (*synth, cryst struct, bibl*)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn.*, Van Nostrand Reinhold, 1992, EFJ500