



Molecular Formula: C₅H₉ClO₃

Molecular Weight: 152.577

Accurate Mass: 152.024022

Percentage Composition: C 39.36%; H 5.95%; Cl 23.24%; O 31.46%

>>**Derivative:** 3,5-Bis(4-methylbenzoyl)

CAS Registry Number: 141846-57-3

Extra CAS Registry Numbers(s): 3056-12-0

Molecular Formula: C₂₁H₂₁ClO₅

Molecular Weight: 388.847

Accurate Mass: 388.107752

Percentage Composition: C 64.87%; H 5.44%; Cl 9.12%; O 20.57%

Melting Point: Mp 118-121°

Optical Rotation: $[\alpha]_D^{25} -125.7$ (c, 0.811 in DMF)

References:

Hoffer, M., *Chem. Ber.*, 1960, **93**, 2777-2781, (*ditoluoyl*)

Zinner, H. *et al.*, *Chem. Ber.*, 1961, **94**, 2792-2797, (*ditoluoyl*)

Kotick, M.P. *et al.*, *J.O.C.*, 1969, **34**, 3806-3813, (α -D-*bischlorobenzoyl*)

Takashita, M. *et al.*, *J. Biol. Chem.*, 1987, **262**, 10171-10179, (α -D-*ditoluoyl*, *synth*, *pmr*)

Shinozuka, K. *et al.*, *Chem. Lett.*, 1991, 1941-1944, (β -D-*ditoluoyl*)

Urata, H. *et al.*, *Nucleic Acids Res.*, 1992, **20**, 3325-3332, (α -L-*ditoluoyl*, *synth*, *pmr*)

Chin, T.-M. *et al.*, *J. Chin. Chem. Soc. (Taipei)*, 1997, **44**, 413-416, (*ditoluoyl*, *synth*, *ir*, *pmr*, *cmr*, *ms*)

Pat. Coop. Treaty (WIPO), 1997, 97 31 008; *CA*, **127**, 248359d, (*ditoluoyl*, *synth*, *pmr*, *cmr*)

Rolland, V. *et al.*, *Synth. Commun.*, 1997, **27**, 3505-3511, (*ditoluoyl*, *synth*, *pmr*, *cmr*)