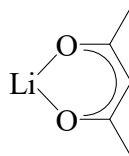




>>Entry Name: (2,4-Pentanedionato-*O,O'*)lithium

Synonym(s): (Acetylacetonato)lithium. Lithium acetylacetonate. Li(acac)



CAS Registry Number: 18115-70-3

Related CAS Registry Numbers(s): 19185-99-0

Molecular Formula: C₅H₇LiO₂

Molecular Weight: 106.05

Accurate Mass: 106.060608

Percentage Composition: C 56.63%; H 6.65%; Li 6.55%; O 30.17%

Source/Synthesis: Synth. from LiOH, H₂O and acetylacetone in MeOH

Use/Importance: Used as a catalyst for polym. of THF

Melting Point: Mp 250°

Solubility: Sol. MeOH

Other Data: Ir ν_{CH} 3089; $\nu_{\text{CH}^3(\text{asym})}$ 3001, 2956; $\nu_{\text{CH}^3(\text{sym})}$ 2917 (nujol); ν_{CO} 1600 (solid), 1612 cm⁻¹ (DMSO)

Aldrich: 41304-6

Fluka: 62398

Other: Gelest AKL470

References:

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Smith, J.A.S. *et al.*, *J.C.S.(A)*, 1966, 1749, (*pmr*)

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Araki, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1991, **64**, 2931, (*synth*, *cmr*, *ir*)

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