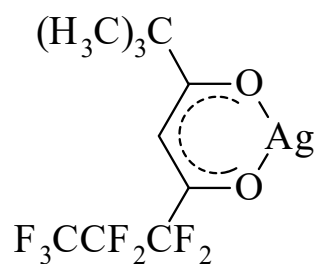




>>Entry Name: (6,6,7,7,8,8,8-Heptafluoro-2,2-dimethyl-3,5-octanedionato-*O,O'*)silver, 11Cl, 10Cl, 9Cl

Synonym(s): (1,1,1,2,2,3,3-Heptafluoro-7,7-dimethyl-4,6-octanedionato)silver(*I*). Ag(fod)



CAS Registry Number: 76121-99-8

Molecular Formula: C₁₀H₁₀AgF₇O₂

Molecular Weight: 403.045

Accurate Mass: 401.961993

Percentage Composition: C 29.80%; H 2.50%; Ag 26.76%; F 33.00%; O 7.94%

Use/Importance: Nmr shift reagent; used in conjunction with Yb(fod)₃ and Pr(fod)₃ for aromatic protons

Physical Description: Light sensitive. Dec. on crystallisation

Melting Point: Mp 134 dec.°

Solubility: Insol. H₂O

Aldrich: 22466-9

Fluka: 51701

Sigma: H8634

Other: Gelest AKS723

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 559C, (*ir*)

Wenzel, T.J. *et al.*, *J.A.C.S.*, 1980, **102**, 5903, (*synth, use*)

Wenzel, T.J. *et al.*, *Anal. Chem.*, 1981, **53**, 343, (*synth, use*)

Rackham, D.M. *et al.*, *Spectrosc. Lett.*, 1981, **14**, 379; 639

Audit, M. *et al.*, *Org. Magn. Reson.*, 1983, **21**, 698, (*nmr studies*)

Hajek, M. *et al.*, *Anal. Chem.*, 1986, **58**, 1743, (*use*)