



>>Entry Name: 6,6,7,7,8,8,8-Heptafluoro-2,2-dimethyl-3,5-octanedione, 8Cl

Synonym(s): Hexafluorobutanoylpivaloylmethane

CAS Registry Number: 17587-22-3

$(\text{H}_3\text{C})_3\text{CCOCH}_2\text{COCF}_2\text{CF}_2\text{CF}_3$

Molecular Formula: $\text{C}_{10}\text{H}_{11}\text{F}_7\text{O}_2$

Molecular Weight: 296.184

Accurate Mass: 296.064726

Percentage Composition: C 40.55%; H 3.74%; F 44.90%; O 10.80%

Use/Importance: Used for gc separation of divalent metals; extraction of volatile divalent metals (Co, Zn) (C_6H_6 , CHCl_3)

Physical Description: Oily liq.

Boiling Point: $\text{Bp}_{2.7} 33^\circ$

pKa Value: $\text{pK}_a 6.7$ (24° ; $\mu = 0.1$; Me_4NClO_4)

Aldrich: 17516-1

Fluka: 51700

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 426B, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 512D, (*ir*)

Sweet, T.R. *et al.*, *Anal. Chim. Acta*, 1970, **52**, 173, (*gc*)

Scribner, W.G. *et al.*, *CA*, 1970, **73**, 92153k, (*extrn*)