



>>Entry Name: Tris(1,1,1-trifluoro-2,4-pentanedionato-*O,O'*)chromium(III), 11Cl

Synonym(s): Chromium(III) trifluoroacetylacetonate

CAS Registry Number: 14592-89-3

Related CAS Registry Numbers(s): 21496-95-7 21496-96-8

As Tris(1,1,1,5,5,5-hexafluoro-2,4-pentanedionato-*O,O'*)chromium(III), [KBL84-P](#) with
 $R^1 = CH_3$, $R^2 = CF_3$

Molecular Formula: $C_{15}H_{12}CrF_9O_6$

Molecular Weight: 511.238

Accurate Mass: 510.989526

Percentage Composition: C 35.24%; H 2.37%; Cr 10.17%; F 33.45%; O 18.78%

Use/Importance: Used in detection of Cr by gc/isotope dilution ms

Physical Description: Volatile red-violet cryst.

Melting Point: Mp 150°

Solubility: Sol. C_6H_6 , Py, Me_2CO , $CHCl_3$; sl. sol. EtOH

Other: Gelest AKC218

References:

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Fatta, A.M. *et al.*, *Inorg. Chem.*, 1971, **10**, 478, (*synth, uv-vis*)
Fontaine, R. *et al.*, *Bull. Soc. Chim. Fr.*, 1972, 3011, (*vp*)
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Uden, P.C. *et al.*, *Anal. Chim. Acta*, 1978, **100**, 555, (*sepn, isomers*)
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