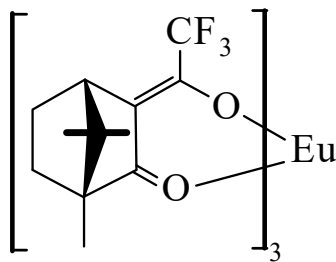




>>Entry Name: Tris(3-trifluoroacetyl-*d*-camphorato)europium(III)

Synonym(s): Tris[1,7,7-trimethyl-3-(trifluoroacetyl)bicyclo[2.2.1]heptan-2-onato-*O,O'*]europium, 9Cl. Tris[3-(trifluoromethylhydroxymethylene)-*d*-camphorato]europium(III). Eu(facam)₃. Eu(tfc)₃



CAS Registry Number: 34830-11-0

Molecular Formula: C₃₆H₄₂EuF₉O₆

Molecular Weight: 893.675

Accurate Mass: 894.204992

Percentage Composition: C 48.38%; H 4.74%; Eu 17.00%; F 19.13%; O 10.74%

Use/Importance: Nmr chiral shift reagent

Physical Description: Yellow-orange powder (pentane)

Boiling Point: Subl._{0.1} 250°

Solubility: Insol. H₂O

Other Data: Hygroscopic. Indefinite Mp.

Aldrich: 29659-7

Fluka: 93387

Sigma: T3511

References:

Goering, H.L. *et al.*, *J.A.C.S.*, 1971, **93**, 5913, (*use, synth*)

Feibush, B. *et al.*, *J.A.C.S.*, 1972, **94**, 6717, (*glc*)

McCreary, M.D. *et al.*, *J.A.C.S.*, 1974, **96**, 1038, (*use*)

Goering, H.L. *et al.*, *J.A.C.S.*, 1974, **96**, 1493, (*synth, use*)