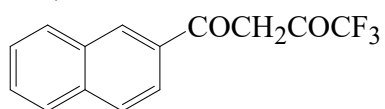




>>Entry Name: 4,4,4-Trifluoro-1-(2-naphthalenyl)-1,3-butanedione, 9CI



CAS Registry Number: 893-33-4

Molecular Formula: C₁₄H₉F₃O₂

Molecular Weight: 266.219

Accurate Mass: 266.055464

Percentage Composition: C 63.16%; H 3.41%; F 21.41%; O 12.02%

Use/Importance: Reagent for the assay of rare earth elements

Melting Point: Mp 74-76° (70.1-71.1°)

Aldrich: 34363-3

Rare Chemicals Library: S59357-5

>>Derivative: Monoxime

Molecular Formula: C₁₄H₁₀F₃NO₂

Molecular Weight: 281.234

Accurate Mass: 281.066363

Percentage Composition: C 59.79%; H 3.58%; F 20.27%; N 4.98%; O 11.38%

Melting Point: Mp 136.9-137.9°

References:

Reid, J.C. *et al.*, *J.A.C.S.*, 1950, **72**, 2948, (*synth*)

Jennings, K.R. *et al.*, *Org. Mass Spectrom.*, 1977, **12**, 93, (*ms*)

Morin, M. *et al.*, *Anal. Chim. Acta*, 1989, **219**, 67, (*use*)