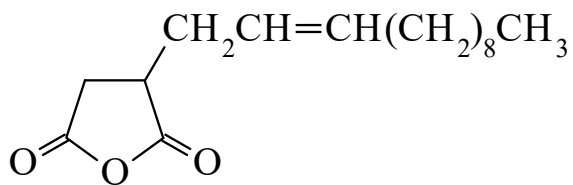




>>Entry Name: 3-(2-Dodecenyl)dihydro-2,5-furandione, 9CI

Synonym(s): 2-Dodecenylsuccinic anhydride, 8CI



CAS Registry Number: 19780-11-1

Related CAS Registry Numbers(s): 25377-73-5

Type of Compound Code(s): PS7600 PG5250

Molecular Formula: C₁₆H₂₆O₃

Molecular Weight: 266.38

Accurate Mass: 266.188195

Percentage Composition: C 72.14%; H 9.84%; O 18.02%

Source/Synthesis: Coml. samples are mixts. of isomers

Use/Importance: Derivatisation reagent for ms anal. of amines. Cross-linking agent for epoxy resins

Melting Point: Mp 41-43°

Boiling Point: Bp₅ 180-182°

Aldrich: D22190-2

Sigma: D9415

References:

Aldrich Library of ¹³C and ¹H FT NMR Spectra, 1992, **1**, 1177A, (*nmr*)

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 717A, (*ir*)

Ligon, W.V. *et al.*, *Anal. Chem.*, 1986, **58**, 1889, (*use*)

Ramaswamy, R. *et al.*, *J. Appl. Polym. Sci.*, 1987, **33**, 49, (*use*)