



Synonym(s): FEMA 2796

CAS Registry Number: 104-50-7

Molecular Formula: C₈H₁₄O₂

Molecular Weight: 142.197

Percentage Composition: C 67.57%; H 9.92%; O 22.50%

Biological Source: Present in apricots, peaches and other fruits

Use/Importance: Flavouring ingredient

Physical Description: Liq. with a strong fruity odour and a very sweet taste

Boiling Point: Bp₂₀ 132-133°. Bp_{5.5} 102-105°

Hazard & Toxicity: Mod. skin irritant

Aldrich: W27960-9

References:

- Aldrich Library of FT-IR Spectra, 1st edn.*, 1985, **1**, 698D, (*ir*)
Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1129B, (*nmr*)
Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 750D, (*ir*)
Sadtler Standard Infrared Spectra, No. 20213, (*lactone*)
Sadtler Standard NMR Spectra, Nos. 2500; 2362, (*lactone, pmr, cmr*)
Teraï, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1956, **29**, 822, (*lactone, hydrazide*)
Schmidt, U. *et al.*, *Annalen*, 1963, **666**, 201, (*synth*)
McFadden, W.H. *et al.*, *Anal. Chem.*, 1965, **37**, 89, (*lactone, ms*)
Sedavkina, V., *CA*, 1976, **84**, 30362, (*synth*)
Thijs, L. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1986, **105**, 332, (*ester*)
Takagi, Y. *et al.*, *Bull. Chem. Soc. Jpn.*, 1993, **66**, 2949, (*nitrile*)
Fenaroli's Handbook of Flavor Ingredients, 3rd edn., (ed. Burdock, G.A.), CRC Press, 1995, **2**, 609, (*lactone*)
Encyclopedia of Food and Color Additives, (ed. Burdock, G.A.), CRC Press, 1997, 2002-2003, (*lactone*)
Taylor, S.K. *et al.*, *Synth. Commun.*, 1998, **28**, 1691-1701, (*nitrile*)
Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, OCE000