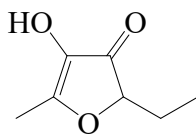




>>Entry Name: 2-Ethyl-4-hydroxy-5-methyl-3(2H)-furanone, 9CI

Synonym(s): Homofureanol. HEMF



CAS Registry Number: 27538-10-9

Extra CAS Registry Numbers(s): 131222-79-2 131222-80-5

Molecular Formula: C₇H₁₀O₃

Molecular Weight: 142.154

Accurate Mass: 142.062995

Percentage Composition: C 59.14%; H 7.09%; O 33.76%

Biological Source: Constit. of soy sauce, miso, *Mandragora officinarum* and *Theobroma grandiflorum*

Use/Importance: Flavour component in various foods

Biological Use/Importance: Shows anticancer props.

Boiling Point: Bp_{0.015} 63-64°

References:

Re, L. *et al.*, *Helv. Chim. Acta*, 1973, **56**, 1882-1894, (*synth*)

Nunomura, N. *et al.*, *Agric. Biol. Chem.*, 1976, **40**, 491-495, (*isol*)

Baumann, M. *et al.*, *Synthesis*, 1981, 709, (*synth*)

Wong, C.-H. *et al.*, *J.O.C.*, 1983, **48**, 3493-3497, (*synth, pmr*)

Huber, U.A., *Perfum. Flavor.*, 1992, **17**, 15-19, (*rev*)