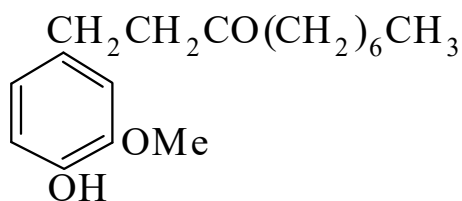




>>Entry Name: 1-(4-Hydroxy-3-methoxyphenyl)-3-decanone

ENTRY UNDER REVIEW

Synonym(s): 2-Methoxy-4-(3-oxodecyl)phenol. [6]-Paradol



CAS Registry Number: 27113-22-0

Molecular Formula: $\text{C}_{17}\text{H}_{26}\text{O}_3$

Molecular Weight: 278.391

Accurate Mass: 278.188195

Percentage Composition: C 73.35%; H 9.41%; O 17.24%

Biological Source: From grains of paradise (*Amomum melegueta*) and ginger (*Zingiber officinale*)

Physical Description: Cryst. (hexane at -30°)

Melting Point: Mp 27-29°. Mp 31-32°

>>Derivative: Benzoyl

Molecular Formula: $\text{C}_{24}\text{H}_{30}\text{O}_4$

Molecular Weight: 382.499

Percentage Composition: C 75.36%; H 7.91%; O 16.73%

Melting Point: Mp 63-64°

References:

Connell, D.W., *Aust. J. Chem.*, 1970, **23**, 369, (*isol, ir, ms, uv*)

Locksley, H.D. *et al.*, *J.C.S. Perkin I*, 1972, 3001, (*ms, pmr, synth*)