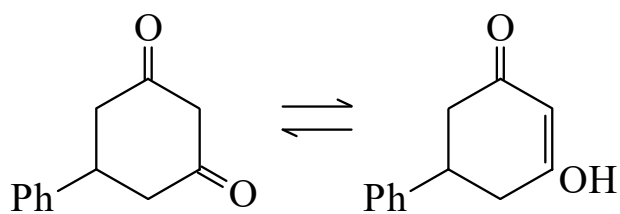




>>Entry Name: 5-Phenyl-1,3-cyclohexanedione

Synonym(s): Phenylldihydroresorcinol. Phenydone. **Phenidone**‡. 3-Hydroxy-5-phenyl-2-cyclohexen-1-one



CAS Registry Number: 493-72-1

Molecular Formula: C₁₂H₁₂O₂

Molecular Weight: 188.226

Accurate Mass: 188.08373

Percentage Composition: C 76.57%; H 6.43%; O 17.00%

Physical Description: Cryst. (MeOH/EtOH)

Melting Point: Mp 184-185° (118° dec.)

Other Data: No comment made on Mp difference

Aldrich: 34657-8

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **2**, 791B, (*nmr*)

Vorländer, D. *et al.*, *Annalen*, 1897, **294**, 302, (*synth*)

Guadriniece, E. *et al.*, *Zh. Obshch. Khim.*, 1957, **27**, 3087; *CA*, **52**, 9043f, (*synth*)

Vandewalle, M. *et al.*, *Bull. Soc. Chim. Belg.*, 1967, **76**, 111, (*ms*)