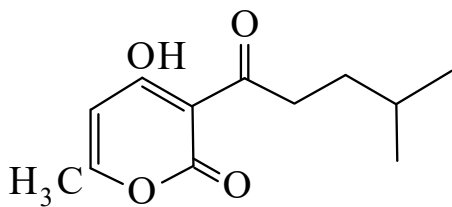




>>Entry Name: Dhelwangin

Synonym(s): 4-Hydroxy-6-methyl-3-(4-methyl-1-oxopentyl)-2H-pyran-2-one, 9Cl. Pogostone



CAS Registry Number: 23800-56-8

Molecular Formula: C₁₂H₁₆O₄

Molecular Weight: 224.256

Accurate Mass: 224.10486

Percentage Composition: C 64.27%; H 7.19%; O 28.54%

Biological Source: Isol. from leaves of *Pogostemon patchouli* and *Pogostemon cablin*

Use/Importance: Antibacterial, antifungal agent

Physical Description: Cryst.

Melting Point: Mp 41-41.6°

Solubility: BERDY SOL: Sol. CHCl₃, bases; fairly sol. C₆H₆; poorly sol. H₂O

Calculated Log P Data: Log P 2.98 (calc)

UV: [neutral] λ_{max} 225 (ε 10300); 310 (ε 12630) (EtOH) (Berdy)

References:

Klein, E. *et al.*, *Tet. Lett.*, 1969, 2279, (*synth*)

Anon, *CA*, 1977, **87**, 172771, (*isol, struct*)