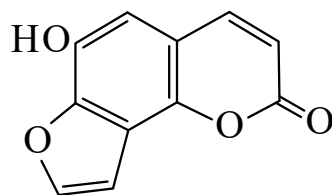




>>Entry Name: 6-Hydroxy-2*H*-furo[2,3-*h*]-1-benzopyran-2-one, 9Cl

Synonym(s): Heratomol



CAS Registry Number: 61265-07-4

Molecular Formula: C₁₁H₆O₄

Molecular Weight: 202.166

Accurate Mass: 202.02661

Percentage Composition: C 65.35%; H 2.99%; O 31.66%

Biological Source: Constit. of *Heracleum thomsoni*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 253-254°

>>Derivative: Me ether

Synonym(s): 6-Methoxy-2*H*-furo[2,3-*h*]-1-benzopyran-2-one, 9Cl. Sphondin

CAS Registry Number: 483-66-9

Molecular Formula: C₁₂H₈O₄

Molecular Weight: 216.193

Accurate Mass: 216.04226

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

Physical Description: Needles (EtOAc)

Melting Point: Mp 192-193°

>>Derivative: *O*-(3-Methyl-2-butenyl)

Synonym(s): Heratomin

CAS Registry Number: 61265-06-3

Molecular Formula: C₁₆H₁₄O₄

Molecular Weight: 270.284

Accurate Mass: 270.08921

Percentage Composition: C 71.10%; H 5.22%; O 23.68%

Biological Source: From *Heracleum thomsoni*

Physical Description: Cryst. (Me₂CO/petrol)

Melting Point: Mp 110-111°

References:

Späth, E. *et al.*, *Monatsh. Chem.*, 1936, **67**, 344, (*isol*)

Späth, E. *et al.*, *Ber.*, 1941, **74**, 595, (*struct*)

Wessely, F. *et al.*, *Monatsh. Chem.*, 1953, **84**, 217, (*isol*)

Fujita, M. *et al.*, *CA*, 1955, **49**, 9241; 1956, **50**, 12999, (*isol*)

Seshadri, T.R. *et al.*, *J. Indian Chem. Soc.*, 1962, **39**, 539, (*synth*)

Gupta, B.D. *et al.*, *Phytochemistry*, 1976, **15**, 1319, (*isol*)

Ahluwalia, V.K. *et al.*, *Indian J. Chem., Sect. B*, 1977, **15**, 1137, (*synth*)

Wulff, W.D. *et al.*, *J.A.C.S.*, 1988, **110**, 7419, (*synth*)