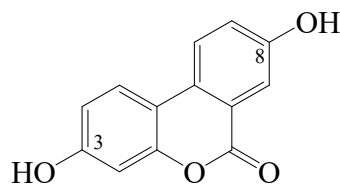




>>Entry Name: 3,8-Dihydroxy-6*H*-dibenzo[*b,d*]pyran-6-one, 9Cl

Synonym(s): 2',4,4'-Trihydroxy-2-biphenylcarboxylic acid lactone. Castoreum pigment I. Urolithin A



CAS Registry Number: 1143-70-0

Molecular Formula: C₁₃H₈O₄

Molecular Weight: 228.204

Accurate Mass: 228.04226

Percentage Composition: C 68.42%; H 3.53%; O 28.04%

Biological Source: Obt. from castoreum (dried scent glands of beaver, *Castor fiber*); clover stone (renal calculus of sheep); plants, e.g. *Euphorbia royleana*

Physical Description: Yellow needles

Melting Point: Mp 340-345° (>260°)

>>Derivative: Di-Ac

Molecular Formula: C₁₇H₁₂O₆

Molecular Weight: 312.278

Accurate Mass: 312.06339

Percentage Composition: C 65.39%; H 3.87%; O 30.74%

Physical Description: Needles (EtOAc)

Melting Point: Mp 210°

>>Derivative: 8-Me ether

Synonym(s): 3-Hydroxy-8-methoxy-6*H*-dibenzo[*b,d*]pyran-6-one

CAS Registry Number: 35233-17-1

Molecular Formula: C₁₄H₁₀O₄

Molecular Weight: 242.231

Accurate Mass: 242.05791

Percentage Composition: C 69.42%; H 4.16%; O 26.42%

Physical Description: Needles

Melting Point: Mp 279°

>>Derivative: Di-Me ether

Synonym(s): 3,8-Dimethoxy-6*H*-dibenzo[*b,d*]pyran-6-one

Molecular Formula: C₁₅H₁₂O₄

Molecular Weight: 256.257

Accurate Mass: 256.07356

Percentage Composition: C 70.31%; H 4.72%; O 24.97%

Melting Point: Mp 153-154.5°

References:

Lederer, E., *J.C.S.*, 1949, 2115-2125, (*isol*, *synth*)

Pope, G.S., *Biochem. J.*, 1964, **93**, 474-477, (*isol*)

Chebaane, K. *et al.*, *Bull. Soc. Chim. Fr.*, 1975, 2521-2526, (*synth*)

Alo, B.I. *et al.*, *J.O.C.*, 1991, **56**, 3763-3768, (*synth*, *ir*, *pmr*, *ms*)