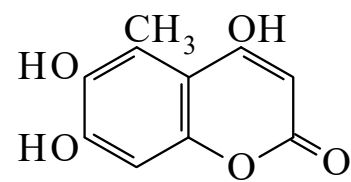




>>Entry Name: 4,6,7-Trihydroxy-5-methyl-2H-1-benzopyran-2-one

Synonym(s): 4,6,7-Trihydroxy-5-methylcoumarin



Molecular Formula: C₁₀H₈O₅

Molecular Weight: 208.17

Accurate Mass: 208.037175

Percentage Composition: C 57.70%; H 3.87%; O 38.43%

>>Derivative: Tri-Me ether

Synonym(s): 4,6,7-Trimethoxy-5-methyl-2H-1-benzopyran-2-one, 9Cl. 4,6,7-Trimethoxy-5-methylcoumarin

CAS Registry Number: 62615-63-8

Molecular Formula: C₁₃H₁₄O₅

Molecular Weight: 250.251

Accurate Mass: 250.084125

Percentage Composition: C 62.39%; H 5.64%; O 31.97%

Biological Source: Constit. of *Leonotis nepetaefolia*

Physical Description: Cryst. (MeOH)

Melting Point: Mp 209°

>>Derivative: 6,7-Methylene, 4-Me ether

Synonym(s): 8-Methoxy-9-methyl-6H-1,3-dioxolo[4,5-g][1]benzopyran-6-one, 9Cl. 4-Methoxy-5-methyl-6,7-methylenedioxy coumarin

CAS Registry Number: 226952-49-4

Molecular Formula: C₁₂H₁₀O₅

Molecular Weight: 234.208

Accurate Mass: 234.052825

Percentage Composition: C 61.54%; H 4.30%; O 34.16%

Biological Source: Constit. of the roots of *Anemone tomentosa*

References:

Purushothaman, K.K. *et al.*, *J.C.S. Perkin I*, 1976, 2594, (*isol, uv, ir, pmr*)

Ahluwalia, V.K. *et al.*, *Indian J. Chem., Sect. B*, 1978, **16**, 436, (*synth*)

Wang, J.-R. *et al.*, *Zhiwu Xuebao*, 1999, **41**, 107-110; *CA*, **131**, 29828k, (*6,7-methylene-4-Me ether*)