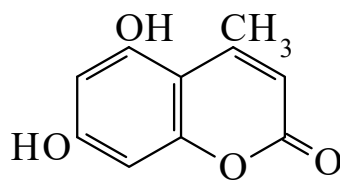




>>Entry Name: 5,7-Dihydroxy-4-methyl-2H-1-benzopyran-2-one, 9CI

Synonym(s): 5,7-Dihydroxy-4-methylcoumarin



CAS Registry Number: 2107-76-8

Molecular Formula: C₁₀H₈O₄

Molecular Weight: 192.171

Accurate Mass: 192.04226

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Use/Importance: Used for photometric detn. of Fe(III), Co, Th; fluorescent acid-base indicator

Melting Point: Mp 282°

References:

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Trivedi, K.N., *J. Indian Chem. Soc.*, 1965, **42**, 273, (*synth*)

Manku, G., *Mikrochim. Acta*, 1970, 1101; 1972, 811, (*detn, Fe*)

Manku, G., *Fresenius' Z. Anal. Chem.*, 1972, **258**, 365, (*detn, Fe, Co, Th*)

Mital, R. *et al.*, *J. Chem. Eng. Data*, 1972, **17**, 383, (*nmr*)

Masrani, K.V. *et al.*, *J. Appl. Chem. Biotechnol.*, 1974, **24**, 331, (*uv*)