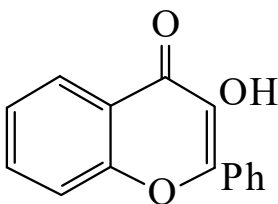




>>Entry Name: 3-Hydroxyflavone, 8Cl

ENTRY UNDER REVIEW

Synonym(s): 3-Hydroxy-2-phenyl-4*H*-1-benzopyran-4-one, 9Cl. Flavonol. 3,4-Flavandione. 3-Hydroxy-2-phenylchromone



CAS Registry Number: 577-85-5

Molecular Formula: C<sub>15</sub>H<sub>10</sub>O<sub>3</sub>

Molecular Weight: 238.242

Accurate Mass: 238.062995

Percentage Composition: C 75.62%; H 4.23%; O 20.15%

Biological Source: Constit. of cabbage

Use/Importance: Used as 0.01% soln. in EtOH for detn. of Zr, Hf; fluorimetric detn. of Zr, Cr

Physical Description: Pale yellow needles (EtOH aq.)

Melting Point: Mp 170°

Solubility: Sol. EtOH, alkalis; sl. sol. H<sub>2</sub>O

Aldrich: 26171-8

Sigma: H4280

>>Derivative: Ac

Molecular Formula: C<sub>17</sub>H<sub>12</sub>O<sub>4</sub>

Molecular Weight: 280.279

Percentage Composition: C 72.85%; H 4.32%; O 22.83%

Melting Point: Mp 110-111°

>>Derivative: Me ether

Synonym(s): 3-Methoxy-2-phenyl-4*H*-1-benzopyran-4-one. 3-Methoxy-2-phenylchromone. 3-Methoxyflavone

CAS Registry Number: 7245-02-5

Molecular Formula: C<sub>16</sub>H<sub>12</sub>O<sub>3</sub>

Molecular Weight: 252.269

Percentage Composition: C 76.18%; H 4.79%; O 19.03%

Melting Point: Mp 114°

Aldrich: 41972-9

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