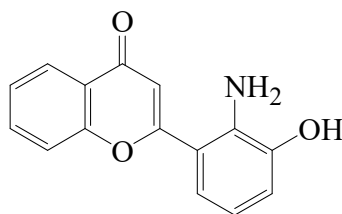




>>Entry Name: 2'-Amino-3'-hydroxyflavone

Synonym(s): 2-(2-Amino-3-hydroxyphenyl)-4H-1-benzopyran-4-one, 9CI



Molecular Formula: C₁₅H₁₁NO₃

Molecular Weight: 253.257

Accurate Mass: 253.073894

Percentage Composition: C 71.14%; H 4.38%; N 5.53%; O 18.95%

>>Derivative: Me ether

Synonym(s): 2'-Amino-3'-methoxyflavone. PD 98059

CAS Registry Number: 167869-21-8

Molecular Formula: C₁₆H₁₃NO₃

Molecular Weight: 267.284

Accurate Mass: 267.089544

Percentage Composition: C 71.90%; H 4.90%; N 5.24%; O 17.96%

Biological Use/Importance: Protein kinase inhibitor. Mitogenic factor for vascular smooth muscle cells and fibroblasts

Physical Description: Yellow cryst. (Me₂CO aq.)

Melting Point: Mp 154-156°

Other: New England Biolabs

References:

Dudley, D.T. *et al.*, *Proc. Natl. Acad. Sci. U.S.A.*, 1995, **92**, 7686-7689, (*pharmacol*)

U.S. Pat., 1996, *Warner-Lambert*, 5 525 625; *CA*, **125**, 96099n, (*synth, pharmacol*)

Coogan, A.N. *et al.*, *J. Neurophysiol.*, 1999, **81**, 103-110, (*pharmacol*)

Mahboobi, S. *et al.*, *Synth. Commun.*, 1999, **29**, 1645-1652, (*Me ether, synth, ir, pmr, ms*)