



Formula: C<sub>16</sub>H<sub>12</sub>O<sub>5</sub>

MW: 284.27

CAS: 491-80-5

MDL: MFCD00006839

TNP: TNP00319

5,7-dihydroxy-3-(4-methoxyphenyl)-4h-1-benzopyran-4-on;  
5,7-dihydroxy-3-(4-methoxyphenyl)-4H-1-Benzopyran-4-one; APIGENIN 4-METHYL ETHER;  
BIOCHANIN A; 5,7-DIHYDROXY-4'-METHOXYISOFLAVONE;  
5,7-DIHYDROXY-4-METHOXYISOFLAVONE; Genistein 4'-methyl ether ; 5,7-dihydrox



LogP: 1.62

LogS: -3.29

Acceptors: 5

Donors: 2

Rotation Bonds: 2

Chiral Centers: 0

N+O: 5

LIPINSKY: 4

IUPAC: 5,7-dihydroxy-3-(4-methoxyphenyl)chromen-4-one

Smiles: O=c1c2c(occ1c1ccc(cc1)OC)cc(cc2O)O

Specification: Iso-Flavones; Inhibitors 5,7-Dihydrox -4'-methoxyisoflavone Chemical Properties:

mp 210-213 C(lit.) storage temp. 0-6C solubility acetone: 10 mg/mL, clear, brown BRN 278107  
CAS DataBase Reference 491-80-5 (CAS DataBase Reference) EPA Substance Registry  
System 4H-1-Benzopyran-4-one, 5,7-dihydroxy-3-(4-methoxyphenyl)- (491-80-5) Safety  
22-24/25 WGK Germany 3 F 10 5,7-Dihydroxy-4'-methoxyisoflavone Usage And Synthesis  
Usage An isoflavone with anticancer proliferation, differentiation and chemopreventive  
properties. Inhibits metabolic activation of benzo[a]pyrene 5,7-Dihydroxy-4'-methoxyisoflavone