



>>Entry Name: 3',5',7-Trihydroxyisoflavone

Synonym(s): 3-(3,5-Dihydroxyphenyl)-7-hydroxy-4*H*-1-benzopyran-4-one, 9CI

Molecular Formula: C₁₅H₁₀O₅

Molecular Weight: 270.241

Accurate Mass: 270.052825

Percentage Composition: C 66.67%; H 3.73%; O 29.60%

>>Derivative: 3'-Me ether, 7-*O*-β-D-glucopyranoside

CAS Registry Number: 241129-90-8

Molecular Formula: C₂₂H₂₂O₁₀

Molecular Weight: 446.41

Accurate Mass: 446.1213

Percentage Composition: C 59.19%; H 4.97%; O 35.84%

Biological Source: Constit. of the roots of *Astragalus membranaceus*

Physical Description: Pale yellow needles

Melting Point: Mp 232-234°

Optical Rotation: $[\alpha]_{\text{D}}^{10} -64.7$ (c, 0.46 in MeOH)

References:

Cao, Z.Z. *et al.*, *Chin. Chem. Lett.*, 1998, **9**, 537-538