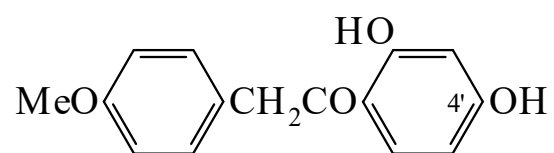




>>Entry Name: Ononetin

Synonym(s): 1-(2,4-Dihydroxyphenyl)-2-(4-methoxyphenyl)ethanone



CAS Registry Number: 487-49-0

Molecular Formula: C₁₅H₁₄O₄

Molecular Weight: 258.273

Accurate Mass: 258.08921

Percentage Composition: C 69.76%; H 5.46%; O 24.78%

Biological Source: Isol. from *Trifolium subterraneum*

Physical Description: Needles (EtOH aq.)

Melting Point: Mp 159°

Other Data: Poss. an artifact

>>Derivative: 4'-O-β-D-Glucopyranoside

Synonym(s): Onospin

Molecular Formula: C₂₁H₂₄O₉

Molecular Weight: 420.415

Accurate Mass: 420.142035

Percentage Composition: C 60.00%; H 5.75%; O 34.25%

Biological Source: Isol. from roots of *Ononis spinosa*

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 179.5°

Optical Rotation: [α]_D +67.2 (MeOH)

References:

Wessely, F. *et al.*, *Monatsh. Chem.*, 1933, **63**, 201, (*isol, synth, Onospin*)

Beck, A.B. *et al.*, *Aust. J. Chem.*, 1966, **19**, 1755, (*isol, Ononetin*)