



>>Derivative: Hydrazide

CAS Registry Number: 39635-11-5

Molecular Formula: C₇H₈N₂O₃

Molecular Weight: 168.152

Accurate Mass: 168.053493

Percentage Composition: C 50.00%; H 4.80%; N 16.66%; O 28.54%

Physical Description: Cryst. (H₂O)

Melting Point: Mp 260 dec.°

>>Derivative: Nitrile

Synonym(s): 3,4-Dihydroxybenzonitrile. 4-Cyano-1,2-benzenediol

CAS Registry Number: 17345-61-8

Molecular Formula: C₇H₅NO₂

Molecular Weight: 135.122

Accurate Mass: 135.032029

Percentage Composition: C 62.22%; H 3.73%; N 10.37%; O 23.68%

Physical Description: Needles (xylene or H₂O)

Melting Point: Mp 156° (152°)

>>Derivative: β-D-Xylopyranosyl ester

Synonym(s): 3,4-Dihydroxybenzoyl β-D-xylopyranoside. **Uralenneoside**

CAS Registry Number: 143986-30-5

Molecular Formula: C₁₂H₁₄O₈

Molecular Weight: 286.238

Accurate Mass: 286.06887

Percentage Composition: C 50.35%; H 4.93%; O 44.72%

Biological Source: Constit. of the leaves of *Glycyrrhiza uralensis*

>>Derivative: 3-O-β-D-Glucopyranoside

Molecular Formula: C₁₃H₁₆O₉

Molecular Weight: 316.264

Accurate Mass: 316.079435

Percentage Composition: C 49.37%; H 5.10%; O 45.53%

Biological Source: Isol. from hairy root cultures of *Lobelia sessilifolia*

Physical Description: Amorph. powder

Optical Rotation: [α]_D²⁵ -53.2 (c, 0.4 in MeOH)

>>Derivative: 3-O-β-D-Glucopyranoside, Me ester

Synonym(s): Woodorien

CAS Registry Number: 155112-92-8

Molecular Formula: C₁₄H₁₈O₉

Molecular Weight: 330.291

Accurate Mass: 330.095085

Percentage Composition: C 50.91%; H 5.49%; O 43.60%

Biological Source: Constit. of the rhizomes of *Woodwardia orientalis*

Biological Use/Importance: Antiviral agent

Physical Description: Powder

Optical Rotation: [α]_D -2 (c, 0.15 in EtOH)

>>Derivative: 4-O-β-D-Glucopyranoside

Molecular Formula: C₁₃H₁₆O₉

Molecular Weight: 316.264

Accurate Mass: 316.079435

Percentage Composition: C 49.37%; H 5.10%; O 45.53%

Biological Source: Isol. from fern *Angiopteris lygodiiifolia*

Optical Rotation: [α]_D -53.5