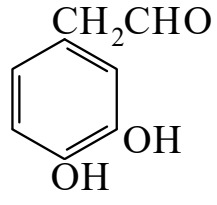
>>**Entry Name: 3,4-Dihydroxyphenylacetaldehyde**
Synonym(s): 3,4-Dihydroxybenzeneacetaldehyde, 9CI. Homoprotocatechualdehyde. Dopaldehyde. Dopal



CAS Registry Number: 5707-55-1
Type of Compound Code(s): VG0050

Molecular Formula: $C_8H_8O_3$
Molecular Weight: 152.149
Accurate Mass: 152.047345
Percentage Composition: C 63.15%; H 5.30%; O 31.55%
Biological Source: Metab. of 2-Amino-3-(3,4-dihydroxyphenyl)propanoic acid HHZ68-O. Constit. of leaves of *Plectranthus caninus*
Melting Point: Mp 110-112°

>>**Derivative:** 2,4-Dinitrophenylhydrazone

Physical Description: Cryst. (EtOH)
Melting Point: Mp 169-170°

>>**Derivative:** Semicarbazone

Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 198-200°

>>**Derivative:** 3-Me ether
Synonym(s): 4-Hydroxy-3-methoxyphenylacetaldehyde. Homovanillin

CAS Registry Number: 5703-24-2
Molecular Formula: $C_9H_{10}O_3$
Molecular Weight: 166.176
Accurate Mass: 166.062995
Percentage Composition: C 65.05%; H 6.07%; O 28.88%
Physical Description: Prisms (CCl_4)
Melting Point: Mp 50-50.5°
Boiling Point: Bp_2 147-149°

>>**Derivative:** 3-Me ether, oxime

Molecular Formula: $C_9H_{11}NO_3$
Molecular Weight: 181.191
Accurate Mass: 181.073894
Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%
Melting Point: Mp 115°

>>**Derivative:** 3-Me ether, Ac
Molecular Formula: $C_{11}H_{12}O_4$
Molecular Weight: 208.213
Accurate Mass: 208.07356
Percentage Composition: C 63.45%; H 5.81%; O 30.74%
Boiling Point: Bp_2 140-145°

>>**Derivative:** 4-Me ether
Synonym(s): 3-Hydroxy-4-methoxyphenylacetaldehyde. Homoisovanillin

CAS Registry Number: 5703-23-1
Molecular Formula: $C_9H_{10}O_3$
Molecular Weight: 166.176
Accurate Mass: 166.062995
Percentage Composition: C 65.05%; H 6.07%; O 28.88%
Boiling Point: $Bp_{0.2}$ 117-122°