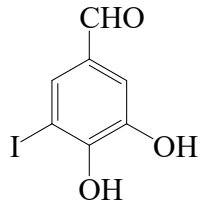
>>**Entry Name: 3,4-Dihydroxy-5-iodobenzaldehyde,** 8CI
Synonym(s): 5-Iodoprotocatechualdehyde



CAS Registry Number: 54246-05-8

Molecular Formula: $C_7H_5IO_3$
Molecular Weight: 264.019
Accurate Mass: 263.928343
Percentage Composition: C 31.85%; H 1.91%; I 48.07%; O 18.18%
Melting Point: Mp 198-199°

>>**Derivative:** 3-Me ether
Synonym(s): 4-Hydroxy-3-iodo-5-methoxybenzaldehyde. 5-Iodovanillin

CAS Registry Number: 5438-36-8
Molecular Formula: $C_8H_7IO_3$
Molecular Weight: 278.046
Accurate Mass: 277.943993
Percentage Composition: C 34.56%; H 2.54%; I 45.64%; O 17.26%
Physical Description: Yellow cryst. (AcOH)
Melting Point: Mp 183-185° (181-182°)
Aldrich: 12948-8
Rare Chemicals Library: S12790-6
Sigma: I2524

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

Molecular Formula: $C_8H_8INO_3$
Molecular Weight: 293.061
Accurate Mass: 292.954892
Percentage Composition: C 32.79%; H 2.75%; I 43.30%; N 4.78%; O 16.38%
Physical Description: Needles (EtOH aq.)
Melting Point: Mp 178-179°

>>**Derivative:** 3-Me ether, 4-nitrophenylhydrazone

Physical Description: Cryst. (EtOH aq.)
Melting Point: Mp 242°

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

Physical Description: Yellow needles
Melting Point: Mp 205-205.5°

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

Melting Point: Mp 212-214 dec.°

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

Molecular Formula: $C_{10}H_9IO_4$
Molecular Weight: 320.083
Accurate Mass: 319.954558
Percentage Composition: C 37.52%; H 2.83%; I 39.65%; O 19.99%
Physical Description: Plates (EtOH aq.)
Melting Point: Mp 105-106°