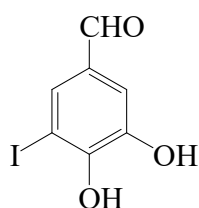




>>Entry Name: 3,4-Dihydroxy-5-iodobenzaldehyde, 8Cl

Synonym(s): 5-Iodoprotocatechualdehyde



CAS Registry Number: 54246-05-8

Molecular Formula: C₇H₅IO₃

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: C₈H₇IO₃

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: C₈H₈INO₃

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: C₁₀H₉IO₄

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°