



>>Entry Name: 3,5-Dichloro-4-hydroxybenzoic acid

CAS Registry Number: 3336-41-2

Molecular Formula: $C_7H_4Cl_2O_3$

Molecular Weight: 207.012

Accurate Mass: 205.953749

Percentage Composition: C 40.61%; H 1.95%; Cl 34.25%; O 23.19%

Biological Source: Prod. by *Bjerkandera* sp. BOS55

Physical Description: Cryst. (AcOH)

Melting Point: Mp 268-269°

pKa Value: pK_a 9.31

Hazard & Toxicity: LD₅₀ (mus, ipr) 650 mg/kg

Aldrich: D6400-7

>>Derivative: Me ester

CAS Registry Number: 3337-59-5

Molecular Formula: $C_8H_6Cl_2O_3$

Molecular Weight: 221.039

Accurate Mass: 219.969399

Percentage Composition: C 43.47%; H 2.74%; Cl 32.08%; O 21.71%

Physical Description: Needles

Melting Point: Mp 147°

>>Derivative: Et ester

CAS Registry Number: 17302-82-8

Molecular Formula: $C_9H_8Cl_2O_3$

Molecular Weight: 235.066

Accurate Mass: 233.985049

Percentage Composition: C 45.99%; H 3.43%; Cl 30.16%; O 20.42%

Physical Description: Needles (EtOH)

Melting Point: Mp 116°

>>Derivative: Me ether

Synonym(s): 3,5-Dichloro-4-methoxybenzoic acid. 3,5-Dichloroanisic acid, 8Cl

CAS Registry Number: 37908-97-7

Molecular Formula: $C_8H_6Cl_2O_3$

Molecular Weight: 221.039

Accurate Mass: 219.969399

Percentage Composition: C 43.47%; H 2.74%; Cl 32.08%; O 21.71%

Biological Source: Prod. by *Bjerkandera* spp. and found in a soil sample associated with *Lepista nuda*

Melting Point: Mp 202°

References:

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Tarbell, H.S. *et al.*, *J.A.C.S.*, 1942, **64**, 1066, (synth)
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