



>>Entry Name: 3,5-Dihydroxy-2-naphthalenecarboxylic acid, 9CI

Synonym(s): 3,5-Dihydroxy-2-naphthoic acid, 8CI

CAS Registry Number: 89-35-0

Structure by analogy with 1,3-Dihydroxy-2-naphthalenecarboxylic acid, [FNR60-M](#)

Molecular Formula: C₁₁H₈O₄

Molecular Weight: 204.182

Accurate Mass: 204.04226

Percentage Composition: C 64.71%; H 3.95%; O 31.34%

Physical Description: Yellow needles (H₂O)

Melting Point: Mp 265°

Aldrich: 27529-8

Fluka: 37795

Rare Chemicals Library: S41587-1

>>Derivative: Et ester

CAS Registry Number: 125001-75-4

Molecular Formula: C₁₃H₁₂O₄

Molecular Weight: 232.235

Accurate Mass: 232.07356

Percentage Composition: C 67.23%; H 5.21%; O 27.56%

Physical Description: Needles (C₆H₆ or EtOH aq.)

Melting Point: Mp 148-150°. Mp 156-157°

>>Derivative: Di-Ac

Molecular Formula: C₁₅H₁₂O₆

Molecular Weight: 288.256

Accurate Mass: 288.06339

Percentage Composition: C 62.50%; H 4.20%; O 33.30%

Melting Point: Mp 188°

>>Derivative: Di-Me ether

Synonym(s): 3,5-Dimethoxy-2-naphthalenecarboxylic acid

CAS Registry Number: 98410-68-5

Molecular Formula: C₁₃H₁₂O₄

Molecular Weight: 232.235

Accurate Mass: 232.07356

Percentage Composition: C 67.23%; H 5.21%; O 27.56%

Melting Point: Mp 165-166°

>>Derivative: Di-Me ether, Me ester

Molecular Formula: C₁₄H₁₄O₄

Molecular Weight: 246.262

Accurate Mass: 246.08921

Percentage Composition: C 68.28%; H 5.73%; O 25.99%

Melting Point: Mp 91-92°

>>Derivative: Di-Me ether, Et ester

Molecular Formula: C₁₅H₁₆O₄

Molecular Weight: 260.289

Accurate Mass: 260.10486

Percentage Composition: C 69.22%; H 6.20%; O 24.59%

Physical Description: Cryst. (petrol)

Melting Point: Mp 81-82°

References: