>>**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: $C_{11}H_8O_4$
Molecular Weight: 204.182
Accurate Mass: 204.04226
Percentage Composition: C 64.71%; H 3.95%; O 31.34%
Physical Description: Yellow needles (H_2O)
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: $C_{13}H_{12}O_4$
Molecular Weight: 232.235
Accurate Mass: 232.07356
Percentage Composition: C 67.23%; H 5.21%; O 27.56%
Physical Description: Needles (C_6H_6 or EtOH aq.)
Melting Point: Mp 148-150°. Mp 156-157°

>>**Derivative:** Di-Ac

Molecular Formula: $C_{15}H_{12}O_6$
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: $C_{13}H_{12}O_4$
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: $C_{14}H_{14}O_4$
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: $C_{15}H_{16}O_4$
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: