>>**Entry Name: 3,5-Dimethyl-1*H*-pyrrole-2,4-dicarboxylic acid**

Structure by analogy with 2,5-Dimethyl-1*H*-pyrrole-3,4-dicarboxylic acid, FWW49-Z

Molecular Formula: $C_8H_9NO_4$
Molecular Weight: 183.163
Accurate Mass: 183.053159
Percentage Composition: C 52.46%; H 4.95%; N 7.65%; O 34.94%
Melting Point: Mp 260 dec.°
Other Data: Decarboxylates in acid

>>**Derivative:** 4-Me ester

CAS Registry Number: 50296-60-1
Molecular Formula: $C_9H_{11}NO_4$
Molecular Weight: 197.19
Accurate Mass: 197.068809
Percentage Composition: C 54.82%; H 5.62%; N 7.10%; O 32.45%
Melting Point: Mp 182 dec.°

>>**Derivative:** Di-Me ester

CAS Registry Number: 5448-17-9
Molecular Formula: $C_{10}H_{13}NO_4$
Molecular Weight: 211.217
Accurate Mass: 211.084459
Percentage Composition: C 56.87%; H 6.20%; N 6.63%; O 30.30%
Melting Point: Mp 174-175°

>>**Derivative:** 2-Et ester

CAS Registry Number: 5408-10-6
Molecular Formula: $C_{10}H_{13}NO_4$
Molecular Weight: 211.217
Accurate Mass: 211.084459
Percentage Composition: C 56.87%; H 6.20%; N 6.63%; O 30.30%
Physical Description: Cryst. (EtOH)
Melting Point: Mp 273°

>>**Derivative:** 4-Et ester

CAS Registry Number: 5442-91-1
Molecular Formula: $C_{10}H_{13}NO_4$
Molecular Weight: 211.217
Accurate Mass: 211.084459
Percentage Composition: C 56.87%; H 6.20%; N 6.63%; O 30.30%
Melting Point: Mp 204 dec.°
Rare Chemicals Library: S95131-5

>>**Derivative:** Di-Et ester
Synonym(s): Knorr's pyrrole

CAS Registry Number: 2436-79-5
Molecular Formula: $C_{12}H_{17}NO_4$
Molecular Weight: 239.271
Accurate Mass: 239.115759
Percentage Composition: C 60.24%; H 7.16%; N 5.85%; O 26.75%
Use/Importance: Key starting material for synth. of chlorophyll and other porphyrins
Physical Description: V. pale yellow needles (EtOH)
Melting Point: Mp 135°
Aldrich: D9320-1

References: