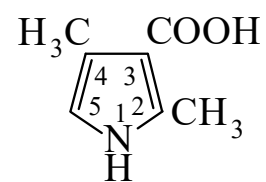




>>Entry Name: 2,4-Dimethyl-1*H*-pyrrole-3-carboxylic acid



CAS Registry Number: 17106-13-7

Molecular Formula: C₇H₉NO₂

Molecular Weight: 139.154

Accurate Mass: 139.063329

Percentage Composition: C 60.42%; H 6.52%; N 10.07%; O 23.00%

Melting Point: Mp 183 dec.°

pKa Value: p*K*_a 6.13

>>Derivative: Me ester

CAS Registry Number: 52459-90-2

Molecular Formula: C₈H₁₁NO₂

Molecular Weight: 153.18

Accurate Mass: 153.078979

Percentage Composition: C 62.73%; H 7.24%; N 9.14%; O 20.89%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 105-106°

>>Derivative: Et ester

CAS Registry Number: 2199-51-1

Molecular Formula: C₉H₁₃NO₂

Molecular Weight: 167.207

Accurate Mass: 167.094629

Percentage Composition: C 64.65%; H 7.84%; N 8.38%; O 19.14%

Melting Point: Mp 78-79°

Boiling Point: Bp 291°. Bp₃₅ 181°

Rare Chemicals Library: S5166-8

>>Derivative: α-L-Rhamnopyranosyl ester

Type of Compound Code(s): VX7010

Molecular Formula: C₁₃H₁₉NO₆

Molecular Weight: 285.296

Accurate Mass: 285.121239

Percentage Composition: C 54.73%; H 6.71%; N 4.91%; O 33.65%

Biological Source: Prod. by *Streptomyces griseoviridis*

Melting Point: Mp 90 dec.°

Optical Rotation: [α]_D²⁰ -22 (c, 0.1 in MeOH)

UV: [neutral] λ_{max} 205 (log ε 4.1); 221 (log ε 3.81); 233 (log ε 3.88); 252 (log ε 3.62); 262 (log ε 3.64) (MeOH)

References:

Knorr, L. *et al.*, *Ber.*, 1902, **35**, 3007, (*synth*)

Clezy, P.S. *et al.*, *Aust. J. Chem.*, 1975, **28**, 1589

Puzicha, G. *et al.*, *J. Het. Chem.*, 1990, **27**, 2117, (*synth*)

Grond, S. *et al.*, *Eur. J. Org. Chem.*, 2000, 929-937, (*rhamnosyl ester*)