



>>Entry Name: 6-(Hydroxymethyl)-2-pyridinecarboxylic acid, 9Cl

Synonym(s): 6-(Hydroxymethyl)picolinic acid, 8Cl

CAS Registry Number: 1197-10-0

Molecular Formula: C<sub>7</sub>H<sub>7</sub>NO<sub>3</sub>

Molecular Weight: 153.137

Accurate Mass: 153.042594

Percentage Composition: C 54.90%; H 4.61%; N 9.15%; O 31.34%

Physical Description: Cryst. (Me<sub>2</sub>CO)

Melting Point: Mp 152° (137°)

>>Derivative: Me ester

CAS Registry Number: 39977-44-1

Molecular Formula: C<sub>8</sub>H<sub>9</sub>NO<sub>3</sub>

Molecular Weight: 167.164

Accurate Mass: 167.058244

Percentage Composition: C 57.48%; H 5.43%; N 8.38%; O 28.71%

Melting Point: Mp 88°

>>Derivative: Et ester

CAS Registry Number: 41337-81-9

Molecular Formula: C<sub>9</sub>H<sub>11</sub>NO<sub>3</sub>

Molecular Weight: 181.191

Accurate Mass: 181.073894

Percentage Composition: C 59.66%; H 6.12%; N 7.73%; O 26.49%

Physical Description: Cryst. (EtOH/Et<sub>2</sub>O)

Melting Point: Mp 95-96°. Mp 131-133°

>>Derivative: Ac

CAS Registry Number: 80540-79-0

Molecular Formula: C<sub>9</sub>H<sub>9</sub>NO<sub>4</sub>

Molecular Weight: 195.174

Accurate Mass: 195.053159

Percentage Composition: C 55.39%; H 4.65%; N 7.18%; O 32.79%

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 113-115 dec.°

>>Derivative: Ac, Et ester

Molecular Formula: C<sub>11</sub>H<sub>13</sub>NO<sub>4</sub>

Molecular Weight: 223.228

Accurate Mass: 223.084459

Percentage Composition: C 59.19%; H 5.87%; N 6.27%; O 28.67%

Physical Description: Oil

>>Derivative: N-Oxide

CAS Registry Number: 24191-19-3

Molecular Formula: C<sub>7</sub>H<sub>7</sub>NO<sub>4</sub>

Molecular Weight: 169.137

Accurate Mass: 169.037509

Percentage Composition: C 49.71%; H 4.17%; N 8.28%; O 37.84%

Melting Point: Mp 195°

#### References:

Mathes, W. *et al.*, *Chem. Ber.*, 1953, **86**, 1953, (*synth*)

Fife, T.H. *et al.*, *J.A.C.S.*, 1982, **104**, 2251, (*synth*)

Bolós, J. *et al.*, *J. Het. Chem.*, 1994, **31**, 1493, (*synth, pmr*)

Vergopoulos, V. *et al.*, *Z. Naturforsch., B*, 1994, **49**, 1127, (*synth, ir, pmr, cmr*)