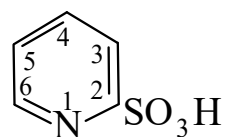




>>Entry Name: 2-Pyridinesulfonic acid, 9Cl, 8Cl



CAS Registry Number: 15103-48-7

Molecular Formula: C₅H₅NO₃S

Molecular Weight: 159.165

Accurate Mass: 158.999014

Percentage Composition: C 37.73%; H 3.17%; N 8.80%; O 30.16%; S 20.15%

Physical Description: Needles (EtOH)

Melting Point: Mp 251-252° (247-248°)

Solubility: V. sol. H₂O

>>Derivative: NH₄ salt

Melting Point: Mp 274-275°

>>Derivative: Ag salt

Physical Description: Yellow cryst. (H₂O)

Melting Point: Mp 290°

Solubility: V. sol. hot H₂O

>>Derivative: Chloride

CAS Registry Number: 66715-65-9

Molecular Formula: C₅H₄ClNO₂S

Molecular Weight: 177.611

Accurate Mass: 176.965126

Percentage Composition: C 33.81%; H 2.27%; Cl 19.96%; N 7.89%; O 18.02%; S 18.05%

Physical Description: Cryst. below 0°

Other Data: Loses SO₂ >0°

>>Derivative: Amide

CAS Registry Number: 63636-89-5

Molecular Formula: C₅H₆N₂O₂S

Molecular Weight: 158.181

Accurate Mass: 158.014998

Percentage Composition: C 37.97%; H 3.82%; N 17.71%; O 20.23%; S 20.27%

Physical Description: Cryst./EtOH

Melting Point: Mp 144-145°

>>Derivative: Hydrazide

Molecular Formula: C₅H₇N₃O₂S

Molecular Weight: 173.195

Accurate Mass: 173.025897

Percentage Composition: C 34.67%; H 4.07%; N 24.26%; O 18.48%; S 18.51%

Physical Description: Cryst.

Melting Point: Mp 86-87 dec.°

>>Derivative: N-Oxide

CAS Registry Number: 28789-68-6

Molecular Formula: C₅H₅NO₄S

Molecular Weight: 175.165

Accurate Mass: 174.993929

Percentage Composition: C 34.28%; H 2.88%; N 8.00%; O 36.54%; S 18.31%

Physical Description: Cryst. (MeOH/Et₂O)

Melting Point: Mp 240-241°

References: