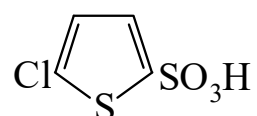




>>Entry Name: 5-Chloro-2-thiophenesulfonic acid, 9Cl



Related CAS Registry Numbers(s): 15195-83-2 29874-89-3 59021-66-8 66788-59-8

Molecular Formula: C₄H₃ClO₃S₂

Molecular Weight: 198.651

Accurate Mass: 197.921212

Percentage Composition: C 24.19%; H 1.52%; Cl 17.85%; O 24.16%; S 32.28%

>>Derivative: Chloride

CAS Registry Number: 2766-74-7

Molecular Formula: C₄H₂Cl₂O₂S₂

Molecular Weight: 217.096

Accurate Mass: 215.887324

Percentage Composition: C 22.13%; H 0.93%; Cl 32.66%; O 14.74%; S 29.54%

Physical Description: Cryst. (petrol)

Melting Point: Mp 28°

Boiling Point: Bp_{0.05} 64-66°

Other: PB C19480

>>Derivative: Amide

CAS Registry Number: 53595-66-7

Molecular Formula: C₄H₄ClNO₂S₂

Molecular Weight: 197.666

Accurate Mass: 196.937196

Percentage Composition: C 24.31%; H 2.04%; Cl 17.94%; N 7.09%; O 16.19%; S 32.44%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 115-116° (113.5°)

>>Derivative: Amide, N-Me

Molecular Formula: C₅H₆ClNO₂S₂

Molecular Weight: 211.693

Accurate Mass: 210.952846

Percentage Composition: C 28.37%; H 2.86%; Cl 16.75%; N 6.62%; O 15.12%; S 30.29%

Physical Description: Cryst. (MeOH aq.)

Melting Point: Mp 44°

>>Derivative: Amide, N-Et

Molecular Formula: C₆H₈ClNO₂S₂

Molecular Weight: 225.719

Accurate Mass: 224.968496

Percentage Composition: C 31.93%; H 3.57%; Cl 15.71%; N 6.21%; O 14.18%; S 28.41%

Physical Description: Cryst. (EtOH aq.)

Melting Point: Mp 52°

>>Derivative: Amide, N-Ph

CAS Registry Number: 55854-42-7

Molecular Formula: C₁₀H₈ClNO₂S₂

Molecular Weight: 273.763

Accurate Mass: 272.968496

Percentage Composition: C 43.87%; H 2.95%; Cl 12.95%; N 5.12%; O 11.69%; S 23.43%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 84-85°