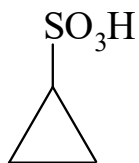




>>Entry Name: Cyclopropanesulfonic acid



CAS Registry Number: 21297-68-7

Molecular Formula: C₃H₆O₃S

Molecular Weight: 122.145

Accurate Mass: 122.003765

Percentage Composition: C 29.50%; H 4.95%; O 39.30%; S 26.25%

>>Derivative: K salt

CAS Registry Number: 146475-55-0

Physical Description: Cryst.

Melting Point: Mp 332-334°

>>Derivative: S-Benzylthiouronium salt

CAS Registry Number: 60109-42-4

Physical Description: Cryst.

Melting Point: Mp 155°

>>Derivative: Trimethylsilyl ester

CAS Registry Number: 60109-41-3

Molecular Formula: C₆H₁₄O₃SSi

Molecular Weight: 194.326

Accurate Mass: 194.043292

Percentage Composition: C 37.09%; H 7.26%; O 24.70%; S 16.50%; Si 14.45%

Physical Description: Liq.

Boiling Point: Bp_{0.6} 67°

>>Derivative: Chloride

CAS Registry Number: 139631-62-2

Molecular Formula: C₃H₅ClO₂S

Molecular Weight: 140.59

Accurate Mass: 139.969877

Percentage Composition: C 25.63%; H 3.58%; Cl 25.22%; O 22.76%; S 22.81%

Physical Description: Pale yellow liq.

Boiling Point: Bp₂ 60°

>>Derivative: Dimethylamide

CAS Registry Number: 146475-54-9

Molecular Formula: C₅H₁₁NO₂S

Molecular Weight: 149.213

Accurate Mass: 149.051049

Percentage Composition: C 40.25%; H 7.43%; N 9.39%; O 21.44%; S 21.49%

Physical Description: Liq.

Boiling Point: Bp_{0.05} 150°

References:

Grignon-Dubois, M. *et al.*, *Tet. Lett.*, 1976, 1197, (*synth*, *pmr*)

King, J.F. *et al.*, *J.O.C.*, 1993, **58**, 1128, (*synth*, *ir*, *pmr*, *cmr*)