



Boiling Point: Bp₇₆₃ 184°

>>Derivative: *N*-Propyl

CAS Registry Number: 72662-77-2

Molecular Formula: C₇H₁₅NS

Molecular Weight: 145.268

Accurate Mass: 145.092519

Percentage Composition: C 57.88%; H 10.41%; N 9.64%; S 22.07%

Physical Description: Liq.

Boiling Point: Bp₁₂ 85-86°

>>Derivative: *N*-Butyl

CAS Registry Number: 72662-78-3

Molecular Formula: C₈H₁₇NS

Molecular Weight: 159.295

Accurate Mass: 159.108169

Percentage Composition: C 60.32%; H 10.76%; N 8.79%; S 20.13%

Physical Description: Liq.

Boiling Point: Bp₁₂ 94-96°

>>Derivative: *N*-Ph

CAS Registry Number: 55330-78-4

Molecular Formula: C₁₀H₁₃NS

Molecular Weight: 179.285

Accurate Mass: 179.076869

Percentage Composition: C 66.99%; H 7.31%; N 7.81%; S 17.89%

Physical Description: Cryst. (toluene)

Melting Point: Mp 108-111°

Boiling Point: Bp₁₈ 160-162°. Bp₈ 140°

>>Derivative: *S,S*-Dioxide

CAS Registry Number: 39093-93-1

Molecular Formula: C₄H₉NO₂S

Molecular Weight: 135.187

Accurate Mass: 135.035399

Percentage Composition: C 35.54%; H 6.71%; N 10.36%; O 23.67%; S 23.72%

Physical Description: Cryst. (Et₂O/C₆H₆)

Melting Point: Mp 66-68°

>>Derivative: *N*-Nitroso

CAS Registry Number: 26541-51-5

Molecular Formula: C₄H₈N₂OS

Molecular Weight: 132.186

Accurate Mass: 132.035733

Percentage Composition: C 36.35%; H 6.10%; N 21.19%; O 12.10%; S 24.26%

Melting Point: Mp 35-37°

Hazard & Toxicity: Exp. neoplastic agent

References:

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