



>>Entry Name: 2-(Methylthio)ethanol, 9CI

Synonym(s): 2-Hydroxyethyl methyl sulfide

CAS Registry Number: 5271-38-5

MeSCH<sub>2</sub>CH<sub>2</sub>OH

Molecular Formula: C<sub>3</sub>H<sub>8</sub>OS

Molecular Weight: 92.162

Accurate Mass: 92.029585

Percentage Composition: C 39.10%; H 8.75%; O 17.36%; S 34.79%

Boiling Point: Bp<sub>10</sub> 61°

Aldrich: 22642-4

Fluka: 54400

Sigma: M9268

>>Derivative: S-Oxide

Synonym(s): 2-(Methylsulfinyl)ethanol

CAS Registry Number: 21281-74-3

Molecular Formula: C<sub>3</sub>H<sub>8</sub>O<sub>2</sub>S

Molecular Weight: 108.161

Accurate Mass: 108.0245

Percentage Composition: C 33.31%; H 7.45%; O 29.58%; S 29.65%

Melting Point: Mp 33-35°

Boiling Point: Bp<sub>1</sub> 130-133°

>>Derivative: S,S-Dioxide

Synonym(s): 2-(Methylsulfonyl)ethanol

CAS Registry Number: 15205-66-0

Molecular Formula: C<sub>3</sub>H<sub>8</sub>O<sub>3</sub>S

Molecular Weight: 124.16

Accurate Mass: 124.019415

Percentage Composition: C 29.02%; H 6.49%; O 38.66%; S 25.83%

Physical Description: Cryst. (2-propanol)

Melting Point: Mp 29°

Boiling Point: Bp<sub>5</sub> 164-165°

>>Derivative: 2-Methyl-2-propenoyl

CAS Registry Number: 14216-23-0

Molecular Formula: C<sub>7</sub>H<sub>12</sub>O<sub>2</sub>S

Molecular Weight: 160.237

Accurate Mass: 160.0558

Percentage Composition: C 52.47%; H 7.55%; O 19.97%; S 20.01%

Boiling Point: Bp<sub>0.06</sub> 38°

Density: d 1.04

Refractive Index: n<sub>D</sub><sup>20</sup> 1.4800

>>Derivative: Ac

CAS Registry Number: 5862-47-5

Molecular Formula: C<sub>5</sub>H<sub>10</sub>O<sub>2</sub>S

Molecular Weight: 134.199

Accurate Mass: 134.04015

Percentage Composition: C 44.75%; H 7.51%; O 23.84%; S 23.89%

Boiling Point: Bp<sub>13</sub> 75-78°

Rare Chemicals Library: S37572-1

References: