



Accurate Mass: 206.03077
Percentage Composition: H 6.84%; O 77.60%; S 15.55%
Physical Description: Colourless liq.
Melting Point: Mp -54°
Solubility: V. sol. H₂O

>>**Derivative:** Octahydrate

CAS Registry Number: 88434-16-6
Molecular Formula: H₁₆O₁₂S
Molecular Weight: 240.185
Accurate Mass: 240.03625
Percentage Composition: H 6.71%; O 79.94%; S 13.35%
Physical Description: Colourless liq.
Melting Point: Mp -62°
Solubility: V. sol. H₂O

>>**Derivative:** Dideutero compd.

Synonym(s): Deuterosulfuric acid. Sulfuric acid-*d*₂

CAS Registry Number: 13813-19-9
Molecular Formula: D₂O₄S
Molecular Weight: 100.092
Source/Synthesis: Synth. from D₂O + SO₃
Use/Importance: Commercially available
Physical Description: Colourless, oily liq.
Melting Point: Mp 14.35°
Hazard & Toxicity: Oxidant, corrosive
Aldrich: 17679-6
Fluka: 36780
Sigma: S7880

>>**Derivative:** Mono-Na salt

>>**Derivative:** Mono-K salt

>>**Derivative:** Di-Li salt

>>**Derivative:** Di-Na salt

>>**Derivative:** Di-K salt

>>**Derivative:** Di-Rb salt

>>**Derivative:** Di-Cs salt

>>**Derivative:** Be salt

>>**Derivative:** Mg salt

>>**Derivative:** Ca salt