

# Aluminum sulfide

|                             |                             |
|-----------------------------|-----------------------------|
| <b>Inchi:</b>               | InChI=1S/Al.S               |
| <b>InchiKey:</b>            | SLWLWUJHXQUDJS-UHFFFAOYSA-N |
| <b>Formula:</b>             | AlS                         |
| <b>SMILES:</b>              | [AlH3]=S                    |
| <b>Mol. weight [g/mol]:</b> | 59.05                       |
| <b>CAS:</b>                 | 12251-90-0                  |

## Physical Properties

| Property code | Value       | Unit | Source       |
|---------------|-------------|------|--------------|
| ea            | 2.60 ± 0.03 | eV   | NIST Webbook |
| ie            | 9.50 ± 0.50 | eV   | NIST Webbook |

## Sources

**NIST Webbook:** <http://webbook.nist.gov/cgi/cbook.cgi?ID=C12251900&Units=SI>

## Legend

**ea:** Electron affinity  
**ie:** Ionization energy

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