



Melting Point: Mp 121.5°

Solubility: Sol. CS₂

>>Variant: Selenium sulfide (Se₇S)

CAS Registry Number: 17587-39-2

Molecular Formula: SSe₇

Molecular Weight: 584.786

Accurate Mass: 591.38771

Percentage Composition: S 5.48%; Se 94.52%

>>Variant: Selenium sulfide (SeS₆)

CAS Registry Number: 12299-49-9

Molecular Formula: S₆Se

Molecular Weight: 271.356

Accurate Mass: 271.74894

Percentage Composition: S 70.90%; Se 29.10%

>>Variant: Selenium sulfide (SeS₅)

CAS Registry Number: 12299-48-8

Molecular Formula: S₅Se

Molecular Weight: 239.29

Accurate Mass: 239.77687

Percentage Composition: S 67.00%; Se 33.00%

>>Variant: Selenium sulfide (SeS₄)

CAS Registry Number: 12299-45-5

Molecular Formula: S₄Se

Molecular Weight: 207.224

Accurate Mass: 207.8048

Percentage Composition: S 61.90%; Se 38.10%

Other Data: Identified by ms

>>Variant: Selenium sulfide (Se₂S₄)

CAS Registry Number: 99646-59-0

Molecular Formula: S₄Se₂

Molecular Weight: 286.184

Accurate Mass: 287.72132

Percentage Composition: S 44.82%; Se 55.18%

Other Data: Identified by ms

>>Variant: Selenium sulfide (SeS₂)

Synonym(s): Selenium disulfide. **Selenium sulfide**, USAN

CAS Registry Number: 7488-56-4

Molecular Formula: S₂Se

Molecular Weight: 143.092

Accurate Mass: 143.86066

Percentage Composition: S 44.82%; Se 55.18%

Physical Description: Red-yellow cryst.

Melting Point: Mp 100°

Hazard & Toxicity: OES: long-term 0.1 mg m⁻³ (as Se). LD₅₀ (rat, orl) 138 mg/kg. Exp. tumourigen

Aldrich: 25771-0

Sigma: S4882

>>Variant: Selenium sulfide (Se₃S₃)

CAS Registry Number: 99646-62-5

Molecular Formula: S₃Se₃

Molecular Weight: 333.078

Accurate Mass: 335.66577

Percentage Composition: S 28.88%; Se 71.12%