



Physical Description: Cryst.

Melting Point: Mp 92-96°

>>Derivative: S-Me

CAS Registry Number: 2922-56-7

Molecular Formula: C₁₁H₁₉N₃O₆S

Molecular Weight: 321.354

Accurate Mass: 321.099457

Percentage Composition: C 41.11%; H 5.96%; N 13.08%; O 29.87%; S 9.98%

Melting Point: Mp 197-199°

>>Derivative: S-Benzyl

CAS Registry Number: 6803-17-4

Molecular Formula: C₁₇H₂₃N₃O₆S

Molecular Weight: 397.451

Accurate Mass: 397.130757

Percentage Composition: C 51.37%; H 5.83%; N 10.57%; O 24.15%; S 8.07%

Physical Description: Cryst.

Melting Point: Mp 85° (sinters)

>>Derivative: S-Benzyl, N-benzyloxycarbonyl, di-*tert*-butyl ester

Physical Description: Cryst.

Melting Point: Mp 128-130°

>>Derivative: S-(4-Hydroxybenzyl)

Synonym(s): S-(4-Hydroxybenzyl)glutathione

CAS Registry Number: 129636-38-0

Molecular Formula: C₁₇H₂₃N₃O₇S

Molecular Weight: 413.451

Accurate Mass: 413.125672

Percentage Composition: C 49.39%; H 5.61%; N 10.16%; O 27.09%; S 7.76%

Biological Source: Constit. of *Gastrodia elata*

Biological Use/Importance: Inhibitor of kainic acid binding to glutamate receptors

>>Derivative: S-(2,4-Dinitrophenyl)

CAS Registry Number: 26289-39-4

Molecular Formula: C₁₆H₁₉N₅O₁₀S

Molecular Weight: 473.42

Accurate Mass: 473.085265

Percentage Composition: C 40.59%; H 4.05%; N 14.79%; O 33.80%; S 6.77%

Physical Description: Cryst. or cryst. + H₂O (H₂O)

Melting Point: Mp 221° (anhyd.). Mp 211° (hydrate)

>>Derivative: S-Nitroso

CAS Registry Number: 57564-91-7

Molecular Formula: C₁₀H₁₆N₄O₇S

Molecular Weight: 336.325

Accurate Mass: 336.073971

Percentage Composition: C 35.71%; H 4.79%; N 16.66%; O 33.30%; S 9.53%

Optical Rotation: [α]_D²⁴+47 (c, 1.31 in H₂O)

UV: [neutral] $\lambda_{\max}$ 335 (); 345 () (H₂O)