Physical Description: Cryst.
Melting Point: Mp 92-96°

>>**Derivative:** *S*-Me

CAS Registry Number: 2922-56-7
Molecular Formula: $C_{11}H_{19}N_3O_6S$
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: $C_{17}H_{23}N_3O_6S$
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: $C_{17}H_{23}N_3O_7S$
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: $C_{16}H_{19}N_5O_{10}S$
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. + H_2O (H_2O)
Melting Point: Mp 221° (anhyd.). Mp 211° (hydrate)

>>**Derivative:** *S*-Nitroso

CAS Registry Number: 57564-91-7
Molecular Formula: $C_{10}H_{16}N_4O_7S$
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: $[\alpha]_D^{24}$+47 (c, 1.31 in H_2O)
UV: [neutral] λ_{max} 335 (); 345 () (H_2O)