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Product Information

L-Glutathione oxidized disodium salt

Product Number **G 6654**

Storage Temperature 2-8 °C

Product Description

Molecular Formula: $C_{20}H_{32}N_6O_{12}S_2$

Molecular Weight: 612.6

CAS Number: 27025-41-8

Melting Point: 182-185 °C¹

Oxidized glutathione binds approximately 2 moles of solvent (water, ethanol, acetone) per mole. The solvent is only removed with some decomposition at high temperatures (>100 °C) in a very high vacuum and cannot be removed by lyophilization.¹

Oxidized glutathione was prepared by simply bubbling oxygen gas through reduced glutathione at pH 8. This procedure left a small amount of by-products, so a second method has been followed more recently. A hydrogen peroxide solution is added at pH >6.5 to the reduced glutathione in order to leave only water as a by-product.

Precautions and Disclaimer

For Laboratory Use Only. Not for drug, household or other uses.

Preparation Instructions

This product is soluble in water at 50 mg/ml, yielding a clear solution.

References

1. Data for Biochemical Research, 3rd ed., Dawson, R. M. C., et al., Oxford University Press (New York, NY: 1986), pp. 16-17.

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