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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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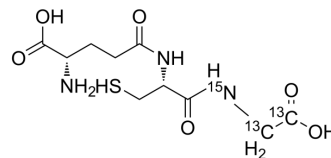
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L-Glutathione reduced-¹³C₂, ¹⁵N

Cat. No.:	HY-D0187S		
CAS No.:	815610-65-2		
Molecular Formula:	C ₈ ¹³ C ₂ H ₁₇ N ₂ ¹⁵ NO ₆ S		
Molecular Weight:	310.3		
Target:	Ferroptosis; Endogenous Metabolite; Reactive Oxygen Species		
Pathway:	Apoptosis; Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



BIOLOGICAL ACTIVITY

Description	L-Glutathione reduced- ¹³ C ₂ , ¹⁵ N is the ¹³ C- and ¹⁵ N-labeled L-Glutathione reduced. L-Glutathione reduced (GSH) is an endogenous antioxidant and is capable of scavenging oxygen-derived free radicals.
In Vitro	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother.* 2019;53(2):211-216.
- [2]. Pereira-Rodrigues N, et al. Electrocatalytic activity of cobalt phthalocyanine CoPc adsorbed on a graphite electrode for the oxidation of reduced L-glutathione (GSH) and the reduction of its disulfide (GSSG) at physiological pH. *Bioelectrochemistry.* 2007 Jan;70(1):147-54.

Caution: Product has not been fully validated for medical applications. For research use only.

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