



S-Nitrosoglutathione

WPI Part No.: **GSNO-50** GSNO 50 mg vial, non-sterile
GSNO-100 GSNO 100 mg vial, non-sterile
GSNO-500 GSNO 500 mg vial, non-sterile

WARNING:

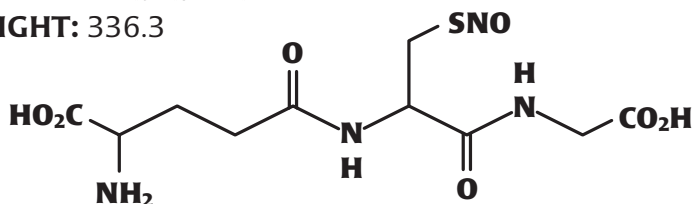
- Use caution in the handling and use of this product, as its pharmacological and toxicological properties are not fully known.
- Use only in well ventilated areas. Avoid formation of dust.
- Avoid contact with skin and eyes; do not inhale dust.
- Wear suitable eye protection and gloves.

GSNO is a useful NO donor which slowly and spontaneously releases NO under physiological conditions. GSNO has been identified *in vivo* as a potential storage and transport vehicle for NO in the body. It selectively inhibits platelet inactivation¹, NF-κB activation^{2, 3}, and endothelial cell proliferation⁴ and displays cardioprotective effects⁵. It has also been shown to induce apoptosis in T cells⁶.

CAS No: 57564-91-7

MOLECULAR FORMULA: C₁₀H₁₆N₄O₇S

MOLECULAR WEIGHT: 336.3



PHYSICAL APPEARANCE: Pink solid

PURITY: >98%

SOLUBILITY: Soluble in water or DMSO

STORAGE: -20°C

EXPIRATION DATE: When kept at -20°C, this product is stable for a minimum of 6 months.

REFERENCES:

1. A.J. de Belder *et al.* *Cardiovasc. Res.* 1994. **28**:691
2. H.B. Peng *et al.* *J Biol. Chem.* 1995. **270**:17050
3. H.B. Peng *et al.* *J Biol. Chem.* 1995. **270**:14214
4. R. Sarkar *et al.* *Surgery* 1995. **118**:274
5. E.A. Konorev *et al.* *J. Pharmacol. Exp. Ther.* 1995. **274**:200
6. K. Sandau and B. Brune *Cell. Signal.* 1996. **8**:173

The above information is believed to be correct, but does not imply completeness and should be used as a guideline. Safe use of this material is entirely the responsibility of the user.

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