

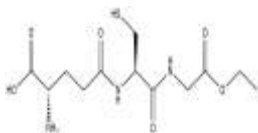
## PRODUCT: **Glutathione ethyl ester**

**ALTERNATE NAME:** L-γ-glutamyl-L-cysteinyl-glycine, 3-ethyl ester; GSH ethyl ester

**CATALOG #:** B2307-10, 50

**AMOUNT:** 10 mg, 50 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>12</sub>H<sub>21</sub>N<sub>3</sub>O<sub>6</sub>S

**MOLECULAR WEIGHT:** 335.4

**CAS NUMBER:** 92614-59-0

**APPEARANCE:** Crystalline solid

**SOLUBILITY:** H<sub>2</sub>O (~20 mg/ml)

**PURITY:** ≥95%

**STORAGE:** Store at -20°C. Protect from air and light

**DESCRIPTION:** Glutathione (GSH) ethyl ester is a cell-permeable derivative of GSH that undergoes hydrolysis by intracellular esterases to release GSH. Effective transport of GSH ethyl ester has been used to protect cells against damage from radiation, oxidants, and various toxic compounds including heavy metals.

**REFERENCES:** Wellner, V.P., *et al.* (1984). *Proc. Natl. Acad. Sci. USA* **81**, 4732-4735.

**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

**RELATED PRODUCTS:**

N-Acetyl-4-benzoquinone Imine (**B2306**)

L-Buthionine-(S,R)-Sulfoximine (**B2305**)

Erastin (**2231**)

EZSolution™ Erastin (**B1502**)

Ferrostatin-1 (**2230**)

Glutathione ethyl ester (**B2307**)

Glutathione Peroxidase Colorimetric Assay Kit (**K762**)

ML-162 (**B2304**)

RSL3 (**B2303**)

**USAGE:** **FOR RESEARCH USE ONLY! Not to be used in humans**