

Ergothioneine L-(+), Antioxidant, endogenous

Catalog	Unit
TBI3012-5MG	5 mg
TBI3012-25MG	25 mg

Product Details

Formal Name: (α -S)- α -Carboxy-2,3-dihydro-N,N,N-trimethyl-2-thioxo-1H-imidazole-4-ethanaminium inner salt

Alternate Names: 2-Mercaptohistidine betaine; NSC-7175

Molecular Formula: C₉H₁₆N₃O₂S

Formula Weight: 229.31

CAS Number: 497-30-3

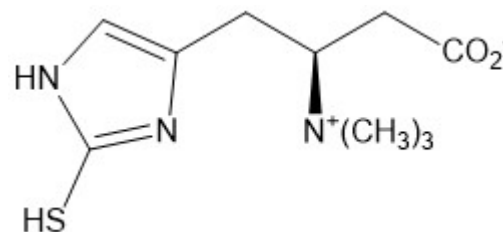
Purity: >98%

Formulation: powder

Solubility: Soluble in Water (up to 10 mg/ml)

Storage: -20°C

Stability: \geq 1 year.



Applications

Antioxidant, endogenous

Functions

Naturally occurring ubiquitous antioxidant which is found in many cells at concentrations up to 2 mM. Rescues PC12 cells from β -amyloid-induced apoptotic cell death. Protects against cisplatin-induced neuronal injury and enhances cognition in a mouse model. Interferes with endothelial cell senescence.

Application Procedures

First dissolved in Water (up to 10 mg/ml), then diluted to aqueous buffer. Solutions in water may be stored at -20°C for no more than 1 day.

For research use only.