

Product Data Sheet

Product Name: Ferrous trisglycinate

Cat. No.: GC91639

Chemical Properties

Cas. No. 34369-82-9

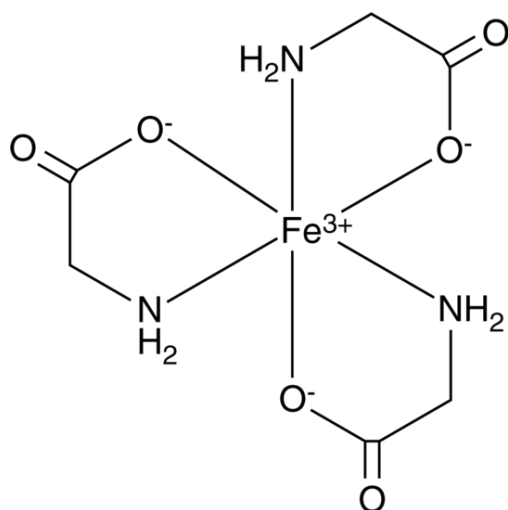
Formula $C_6H_{12}FeN_3O_6$ M.Wt 278

Solubility PBS (pH 7.2): 10 mg/ml Storage $-20^{\circ}C$

General tips For obtaining a higher solubility, please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

Ferrous trisglycinate is an iron amino acid chelate.^{[1],[2]} Formulations containing ferrous trisglycinate have been used as dietary fortifying agents to prevent iron deficiency and anemia.

References:

[1]. Bovell-Benjamin, A.C., Viteri, R.E., and Allen, L.H. Iron absorption from ferrous bisglycinate and ferric trisglycinate in whole maize is regulated by iron status. *Am. J. Clin. Nutr.* 71(6):1563-1569 (2000).

[2]. Pizzaro, F., Uicich, R., Olivares, M., et al. Iron absorption of ferric glycinate is controlled by iron stores. *Nutr. Res.* 18(1):3-9 (1998).

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

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