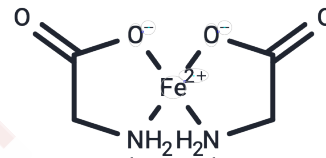


Ferrous Bisglycinate

Chemical Properties

CAS No. :	20150-34-9
Formula:	C ₄ H ₈ FeN ₂ O ₄
Molecular Weight:	203.96
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Ferrous Bisglycinate (Bisglycine iron(II) salt) is used in the fortification of infant formulations and foods.
Targets(IC50)	Others, Estrogen/progestogen Receptor

Solubility Information

Solubility	H ₂ O: 14.7 mM, Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.9029 mL	24.5146 mL	49.0292 mL
5 mM	0.9806 mL	4.9029 mL	9.8058 mL
10 mM	0.4903 mL	2.4515 mL	4.9029 mL
50 mM	0.0981 mL	0.4903 mL	0.9806 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Fox TE, et al. Bioavailability of iron glycine as a fortificant in infant foods. *Am J Clin Nutr.* 1998 Apr; 67(4):664-8.
 Heath AL, et al. Can dietary treatment of non-anemic iron deficiency improve iron status? *J Am Coll Nutr.* 2001 Oct; 20(5):477-84.

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