



LKT Laboratories, Inc.

Erythropoietin, Human Recombinant

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Product Information

Product ID E6997

CAS No. 11096-26-7

Chemical Name

Synonym Erythropoiesis stimulating factor, Hemopoietine, ESF, Epo

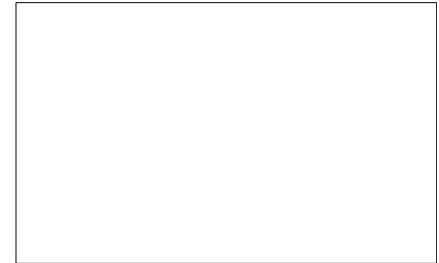
Formula

Formula Wt.

Melting Point

Purity $\geq 97\%$

Solubility Soluble in water.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
E6997	50 U	\$496.10

Store Temp -80°C

Ship Temp Dry Ice

Description Erythropoietin is an endogenous glycoprotein hormone that is involved in the production of red blood cells; it binds the erythropoietin receptor (EpoR) and is clinically used to treat anemia. Erythropoietin exhibits pro-angiogenic, neuroprotective, cognition enhancing, and antidepressant activities. Erythropoietin decreases hepcidin levels and increases absorption of iron. In vitro, this compound stimulates angiogenesis and increases proliferation of smooth muscle fibers. When administered clinically, erythropoietin improves memory and mood.

References Liu S, Ren J, Hong Z, et al. Efficacy of erythropoietin combined with enteral nutrition for the treatment of anemia in Crohn's disease: a prospective cohort study. *Nutr Clin Pract.* 2013 Feb;28(1):120-7. PMID: 23064018.

Ashby DR, Gale DP, Busbridge M, et al. Erythropoietin administration in humans causes a marked and prolonged reduction in circulating hepcidin. *Haematologica.* 2010 Mar;95(3):505-8. PMID: 19833632.

Miskowiak K, Inkster B, Selvaraj S, et al. Erythropoietin improves mood and modulates the cognitive and neural processing of emotion 3 days post administration. *Neuropsychopharmacology.* 2008 Feb;33(3):611-8. PMID: 17473836.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.