

Product Data Sheet

Product Name: ITS-G (Insulin-Transferrin-Selenium, 100X)

Cat. No.: GF10507

Chemical Properties

Cas. No.

Formula

M.Wt

Solubility

Storage

Store at 2-8°C, protect from light

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°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

ITS-G (Insulin-Transferrin-Selenium, 100X) is a cell culture medium supplement containing insulin, transferrin, and sodium selenite. ITS-G can be added to media such as DMEM, RPMI-1640, Ham's F-12, and DMEM/F-12^[1-4].

References:

[1] Wu L, Guo W, Wang H, et al. SIRT7 facilitates ferroptosis resistance of melanocytes via activating the SMAD3-ATF3-GPX4 signaling pathway in vitiligo. J Adv Res. 2026 Apr;82:901-916.

[2] Peng R, Yu B, Zhang L, et al. Targeted Inhibition of CD74⁺ Macrophages by Luteolin via

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

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CEBPB/P65 Signaling Ameliorates Osteoarthritis Progression. Adv Sci (Weinh). 2026 Feb;13(7):e08472.

[3] Jia X, Luo S, Liu Y, et al. Integrated Transcriptomic and Metabolomic Analyses Reveal the Protective Mechanism of Icaritin Against High-Fat Diet-Induced Metabolic Dysfunction-Associated Steatotic Liver Disease in Mice. FASEB J. 2026 Feb 28;40(4):e71557.

[4] Li M, Yang Q, Gao J, et al. Nanotuner targeting mitochondrial redox and iron homeostasis imbalance for the treatment of acute liver injury. Theranostics. 2025 Aug 16;15(17):9131-9158.

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