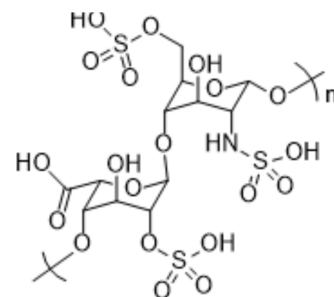


Heparin

Cat. No.:	HY-17567
CAS No.:	9005-49-6
Target:	Autophagy; Endogenous Metabolite; Thrombin; Bacterial
Pathway:	Autophagy; Metabolic Enzyme/Protease; Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Heparin is a highly sulfated glycosaminoglycan, that is widely used as an injectable anticoagulant, and has the highest negative charge density of any known biological molecule. Heparin significantly inhibits exosome-cell interactions.
IC₅₀ & Target	Human Endogenous Metabolite
In Vitro	Heparin (6 days) reduces the cytopathogenicity of HIV for MT-4 cells, with an IC ₅₀ of 7.5 µg/mL ^[2] . Heparin (0.5 U/mL, 48 h) inhibits HGF-induced trophoblast invasion in the SGHPL-4 cell line ^[3] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Ito M, et al. Inhibitory effect of dextran sulfate and heparin on the replication of human immunodeficiency virus (HIV) in vitro. *Antiviral Res.* 1987 Jul;7(6):361-7.
- [2]. Ganapathy R, et al. Effect of heparin and fractionated heparin on trophoblast invasion. *Hum Reprod.* 2007 Sep;22(9):2523-7.
- [3]. Capila I, et al. Heparin-protein interactions. *Angew Chem Int Ed Engl.* 2002 Feb 1;41(3):391-412.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA