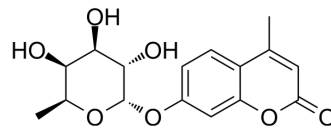


4-Methylumbelliferyl α -L-fucopyranoside

Cat. No.:	HY-134460
CAS No.:	54322-38-2
Molecular Formula:	C ₁₆ H ₁₈ O ₇
Molecular Weight:	322.31
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4-Methylumbelliferyl α -L-fucopyranoside is an α -L-fucosidase. α -L-fucosidase can enhance capacitation of porcine sperm and protect sperm from premature acrosome reaction. Compared with human liver α -L-fucosidase, 4-Methylumbelliferyl α -L-fucopyranoside has considerable hydrophobicity and isoelectric focusing properties^{[1][2]}.

REFERENCES

- [1]. Hopfer RL, et al. Solubilization and characterization of pellet-associated human brain alpha-L-fucosidase activity. *Biochem J.* 1985 Aug 1;229(3):679-85.
- [2]. Romero-Aguirregomez J, et al. α -L-fucosidase enhances capacitation-associated events in porcine spermatozoa. *Vet J.* 2015 Jan;203(1):109-14.

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

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