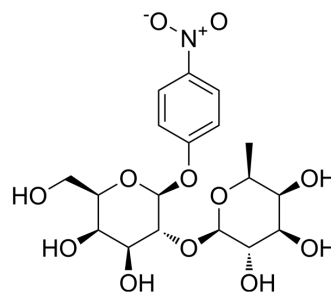


4-Nitrophenyl 2-O-(β-L-Fucopyranosyl)-β-D-Galactopyranoside

Cat. No.:	HY-D1510
CAS No.:	77640-21-2
Molecular Formula:	C ₁₈ H ₂₅ NO ₁₂
Molecular Weight:	447.39
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4-Nitrophenyl 2-O-(β-L-Fucopyranosyl)-β-D-Galactopyranoside is a synthetic chromogenic substrate and can be used in the assay of α-fucosidases which hydrolyze the glycosidic linkage Fuc α1-2Gal. The assay is based on the sequential action of α-fucosidase and an exogenously added exo-β-d-galactosidase to release the easily measurable p-nitrophenol moiety^[1].

REFERENCES

[1]. RA DiCioccio, et al. Synthesis and use of p-nitrophenyl-2-O-(alpha-L-fucopyranosyl)-beta-D-galactopyranoside for the rapid detection of substrate-specific alpha-L-fucosidases. *Anal Biochem.* 1981 Feb;111(1):176-83.

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

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