



Product Information

4-Nitrophenyl β -D-mannopyranoside

Cat. No.: XGB925

Size: 25 mg; 50 mg; 100 mg; 250 mg

MDL: MFCD00067650

CAS Number: 35599-02-1

PubChem Substance ID: 24897475

REAXYS Number: 1436646

NACRES: NA.32

Synonym: p-Nitrophenyl β -D-mannopyranoside

This product is for research use only and is not intended for diagnostic use.

Product Information

Molecular Weight	301.25
Empirical Formula	C ₁₂ H ₁₅ NO ₈
InChI	1S/C ₁₂ H ₁₅ NO ₈ /c14-5-8-9(15)10(16)11(17)12(21-8)20-7-3-1-6(2-4-7)13(18)19/h1-4,8-12,14-17H,5H 2/t8-,9-,10+,11+,12-/m1/s1
SMILES string	OC[C@H]1O[C@@H](Oc2ccc(cc2)[N+](=O)[O-])[C@@H](O)[C@@H](O)[C@@H]1O
Form	powder
Purity	≥98%
Solubility	water: 10 mg/mL, clear, colorless to very faintly green
Quality Level	200
Applications	4-Nitrophenyl β -D-mannopyranoside can be used: • as a substrate to analyze the action mechanism of Pyrococcus furiosus thermostable glycosidase (PFTG) and kinetic parameters by ITC • as a substrate for screening cucumber enzymes
Storage	-20°C

Safety Information

Personal Protective Equipment	Eyeshields, Gloves, type N95 (US)
WGK Germany	WGK 3



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