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Typical Product Specifications & Properties

4-Nitrophenyl β -D-Galactopyranoside [Substrate for β -Galactosidase]

CAS Number: : 3150-24-1

Specifications	Limits
Molecular weight	301.25
SMILES	<chem>O1[C@H]([C@@H]([C@@H](O)[C@H]([C@H]1CO)O)O)Oc1ccc(cc1)[N+](=[O-])=O</chem>
InChI	IFBHRQDFSNCLOZ-YBXAARCKSA-N
InChIKey	1S/C12H15NO8/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,5H2/t8-,9+,10+,11-,12-/m1/s1
Atmospheric OH Rate Constant	6.47E-11 cm ³ /molecule-sec
Water solubility	7010 mg/L
Vapor Pressure	3.68E-13 mm Hg
Henry's Law Constant	4.54E-18 atm-m ³ /mole
log P (octanol-water)	-0.59



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