



SPECIFICATION

2-Nitrophenyl 2-acetamido-2-deoxy-b-D-glucopyranoside

Product Code:	EN03254
Synonyms:	2-Nitrophenyl N-acetyl-b-D-glucosamine o-Nitrophenyl 2-acetamido-2-deoxy-b-D-glucoside CNP-b-D-GlcNAc
CAS Number:	13264-92-1
Chemical Formula:	$C_{14}H_{18}N_2O_8$
Molecular Weight:	342.3

TECHNICAL SPECIFICATION

Appearance:	White to off-white crystalline powder
Purity (TLC):	min 99%
Specific optical rotation [α] _D	-33 to -35° ²⁰ (c=0.5, H ₂ O):
Identity (FTIR):	Conforms to structure
Solubility (0.5% in water, gently warmed):	Colourless to slightly yellow, clear solution
Impurities (Free o-Nitrophenol):	max 0.1%
Water content (Karl Fischer):	max 2%