



Product Specification

Product Name: 4-Methylumbelliferyl-2- acetamido-2-deoxy- β - glucopyranoside
Cat #: M-510
CAS #: 37067-30-4
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	white to off-white
Form	powder
Color of Solution (1% in DMF)	almost colorless to colorless
Turbidity (1% in DMF)	≤ 4.0 NTU
Water Content (K. Fischer)	$\leq 1.0\%$
Purity (TLC) (30 mg/mL in methanol/water 1:1; toluene/ethanol/water 50:70:10; UV 254 nm, sulfuric acid)	≥ 99 area-%
Free 4-MU (30 mg/mL in methanol/water 1:1; toluene/acetone 5:1; UV 366 nm after treating with ammonia vapor)	≤ 50 mg/kg
Specific Optical Rotation $[\alpha]_D$ (c = 1 in pyridine, 20°C)	-34.0 to -30.0
FT-IR Spectrum	corresponds to reference spectrum
¹ H-NMR Spectrum	corresponds to assigned structure
¹³ C-NMR Spectrum	corresponds to assigned structure

GOLD BIOTECHNOLOGY, INC. provides this Product Specification in good faith. Specifications are subject to change.

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