



Product Specification

Product Name: 4-Methylumbelliferyl- β -D-fucopyranoside
Cat #: M-590
CAS #: 55487-93-9
Storage: Store at -20°C. Protect from light.

Test	Specifications
Color	white to off-white
Form	powder
Water Content (K. Fischer)	$\leq 1.0\%$
Purity (TLC) (10 mg/mL in DMF; butanol/acetic acid/water 3:1:1; UV 254 nm)	≥ 99 area-%
Free 4-MU (10 mg/mL in DMF; toluene/acetone/acetic acid 4:5:1; UV 366 nm after treating with ammonia)	≤ 100 mg/kg
Specific Optical Rotation $[\alpha]_D$ (c = 1 in DMF, 20°C)	-49.0 to -43.0
FT-IR Spectrum	corresponds to reference spectrum
$^1\text{H-NMR}$ Spectrum	corresponds to assigned structure
$^{13}\text{C-NMR}$ Spectrum	corresponds to assigned structure

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

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