



CERTIFICATE OF ANALYSIS

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1. Identification

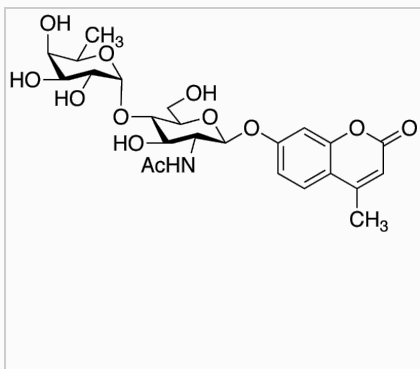
Catalogue Number: M333350

CAS Number: 383160-13-2

Product: 4-Methylumbelliferyl 2-Acetamido-2-deoxy-4-O-(α -L-fucopyranosyl)- β -D-glucopyranoside

Synonym: Fuc1- α -4GlcNAc1- β -4MU; 7-[[2-(Acetylamino)-2-deoxy-4-O-(6-deoxy- α -L-galactopyranosyl)- β -D-glucopyranosyl]oxy]-4-methyl-2H-1-benzopyran-2-one;

Structure:



Molecular Formula:

C₂₄H₃₁NO₁₂

Molecular weight:

525.5

Source of Product:

Synthetic

Solubility:

Methanol (Slightly), Water (Slightly)

Lot Number: 3-XFZ-154-3

Purity: 97%

Shipping Condition: This Product Is Stable To Be Shipped At Room Temperature

Storage Condition: -20°C

2. Warning

Warning 1: Not Determined

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off White Solid	White Solid
Melting Point	Report Result	>202°C (dec.)
NMR	Conforms to structure	Conforms
Elemental Analysis	Conforms	%C: 53.67, %H: 5.89, %N: 2.58
MS	Conforms to structure	Conforms
Specific Rotation	Report Result	-108.9° (c = 0.1, Water)
Water Content	Report Result	2.2% based on Elemental Analysis
HPLC Purity	>95%	98.50%

Additional Information: NA

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of $\pm 2\%$. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed By	Reviewed By	C of A Approved By	Test Date	Retest Date
Rhonda Tu	Eric Beaton	My Nguyen	10/5/2018	10/3/2028