



CERTIFICATE OF ANALYSIS

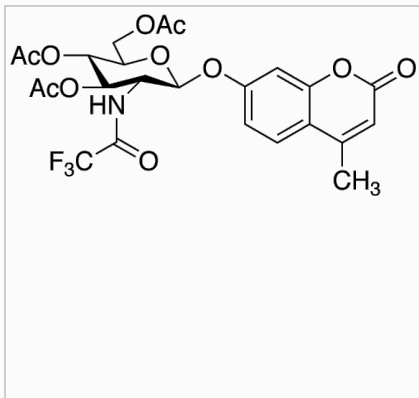
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1. Identification

Catalogue Number: M337630

Product: 4-Methylumbelliferyl 2-Trifluoroacetyl-3,4,6-O-triacetyl-2-deoxy-b-D-glucopyranoside

Structure:



CAS Number: 137686-93-2

Synonym: 4-Methyl-7-[[[3,4,6-tri-O-acetyl-2-deoxy-2-[(trifluoroacetyl)amino]-.beta.-D-glucopyranosyl]oxy]-2H-1-benzopyran-2-one;

Molecular Formula:

C₂₄H₂₄F₃NO₁₁

Molecular weight:

559.44

Source of Product:

Synthetic

Solubility:

Chloroform (Slightly),
Dichloromethane (Slightly),
Ethanol (Slightly), Methanol

Lot Number: 3-JHY-197-4

Purity: 98%

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 Results	221 - 223°C
NMR	Conforms to Structure	Conforms
F NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 51.68, %H: 4.21, %N: 2.51
MS	Conforms to Structure	Conforms
HPLC Purity	>95%	99.68%

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
Eric Beaton	Rhonda Tu	My Nguyen	11/3/2018	11/1/2028