



CERTIFICATE OF ANALYSIS

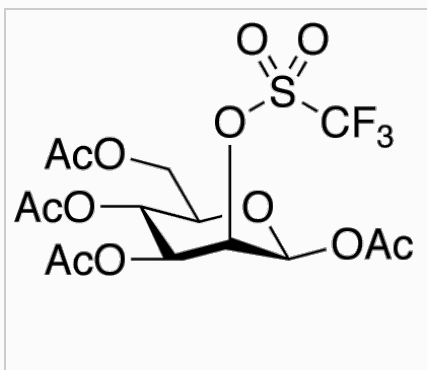
20 Martin Ross Avenue, North York, ON, M3J 2K8, CANADA
Tel: (416) 665-9696, Fax: (416) 665-4439
Email: orders.trc@lgcgroup.com Website: www.trc-canada.com

1. Identification

Catalogue Number: T283850

Product: 1,3,4,6-Tetra-O-acetyl-2-O-trifluoromethanesulfonyl-β-D-mannopyranose

Structure:



CAS Number: 92051-23-5

Synonym: 1,3,4,6-Tetraacetate 2-(trifluoromethanesulfonate) β-D-Mannopyranose; Mannose Triflate;

Molecular Formula:

C₁₅H₁₉F₃O₁₂S

Molecular weight:

480.36

Source of Product:

N/A

Solubility:

Chloroform (Slightly), Ethyl Acetate (Slightly)

Lot Number: 8-HBN-24-1

Purity: 98%

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

Storage Condition: 4°C

2. Warning

Warning 1:

Warning 2:

Warning 3:

3. Analytical Information

Tests:	Specifications:	Results:
Appearance	White to Off-White Solid	White to Off-White Solid
HPLC Purity	Report Result	99.52% (ELSD)
NMR	Conforms to Structure	Conforms
Elemental Analysis	Conforms	%C: 36.97, %H: 3.90
F NMR	Conforms to Structure	Conforms
MS	Conforms to Structure	Conforms

Additional Information: N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 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
Meenakshi Sharma	Toni Rantanen	Chanell Chu	7/12/2023	7/10/2027