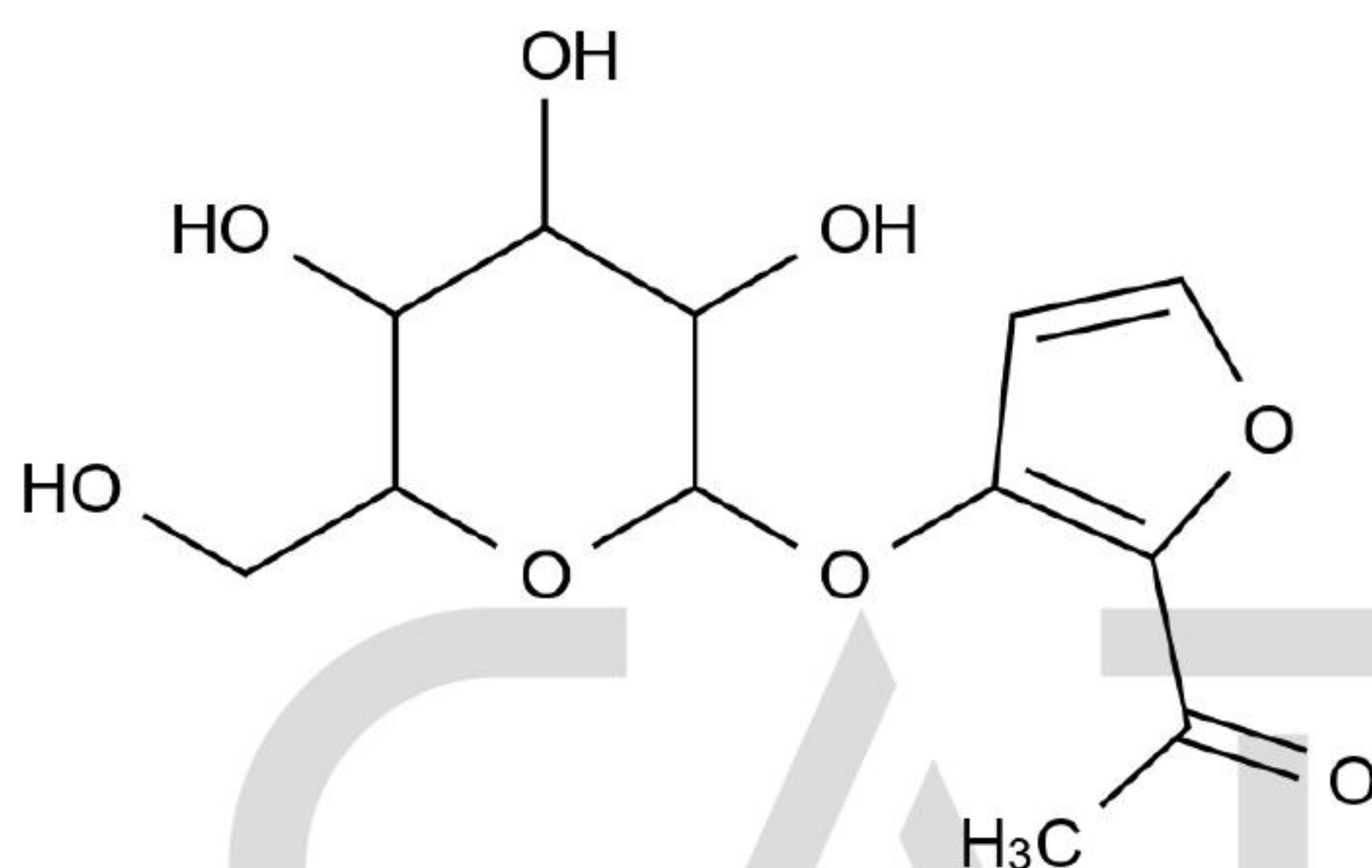


Certificate of Analysis

Reference Material

Product Name:	3-O-a-D-Glucosyl Isomaltol	Catalogue Number:	CS406087
Chemical Name:	N/A	Lot Number:	1227-RD-0076
CAS Number:	85559-61-1	Expiry Date:	Jan 10, 2025
Molecular Formula:	C ₁₂ H ₁₆ O ₈	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	288.25		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White to Pale Beige Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.89%
Water Content	Karl Fischer	3.1%
Assay		96.8%
Uncertainty		±2.0%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jan 11, 2021

Date: Jan 06, 2023

Date: Jan 06, 2023

