

CERTIFICATE OF ANALYSIS

GENERAL INFORMATION

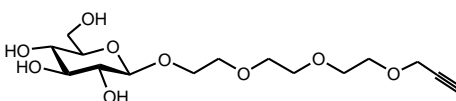
Product No.: PE531000

CAS No.: N/A

Product Name: β-D-Glc-PEG3-Propyne

Other Names: Beta-D-Glc-PEG3-Propyne; β-D-Glc-PEG3-Alkyne; Propargyl-PEG3 β-D-Glucopyranoside; (Dodec-11-yn-3,6,9-trioxadodecyl) β-D-glucopyranoside; 2-{2-[2-(Prop-2-ynyloxy)ethoxy]ethoxy}ethyl β-D-glucopyranoside

Structure:



Formula: C₁₅H₂₆O₉

Mol. Wt.: 350.36

Exact Mass: 350.16

CHARACTERIZATION

PROPERTY

OBSERVATION

Appearance & Physical State:

Clear, colourless oil

Proton (¹H) NMR (D₂O, 400 MHz):

Conforms,
2.87 (t, 1H, C≡C-H) ²
4.225 (d, 2H, -CH₂-C≡C) ³

Mass Spectrometry (ESI-POS):

Conforms,
[M+H]⁺ = 351.1
[2M+H]⁺ = 701.3
[M+H]⁺ - Glc = 189.2 ⁴

BATCH INFORMATION

Lot No.:

XXXXXX

Date Prepared:

XXXXXX

NOTES

1. Keep dry, store at or below -20±5°C.
2. Propynyl proton is readily exchanged in D₂O and does not integrate fully.
3. Protons beta to alkyne are readily exchanged in D₂O and do not integrate fully.
4. Fragmentation of parent ion [M+H] results in ion at 189.2 due to loss of Glc.