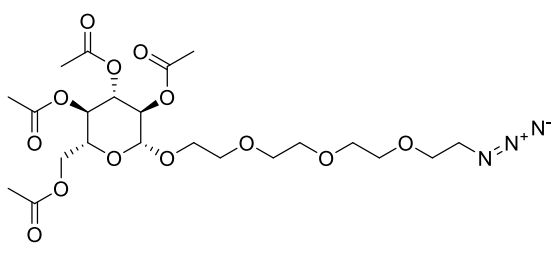


# Product data sheet



MedKoo Cat#: 573030 Name: SLN 52449 CAS#: 153252-44-9 Chemical Formula: C <sub>22</sub> H <sub>35</sub> N <sub>3</sub> O <sub>13</sub> Exact Mass: 549.2170 Molecular Weight: 549.53		
Product supplied as:		Powder
Purity (by HPLC):		≥ 98%
Shipping conditions		Ambient temperature
Storage conditions:		Powder: -20°C 3 years; 4°C 2 years. In solvent: -80°C 3 months; -20°C 2 weeks.

## 1. Product description:

SLN 52449, also known as Azido-PEG4-tetra-Ac-beta-D-glucose is a PEG derivative containing one azide group and one D-glucose group. The azide group enables Click Chemistry. The hydrophilic PEG spacer increases solubility in aqueous media. D-glucose increases solubility in aqueous media and increases the selectivity of the PEGylation reaction. This product has no formal name at the moment. For the convenience of communication, a temporary code name was therefore proposed according to MedKoo Chemical Nomenclature (see web page: <https://www.medkoo.com/page/naming>).

## 2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under “QC And Documents” section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

## 3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
To be determined	To be determined	To be determined

## 4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.82 mL	9.10 mL	18.20 mL
5 mM	0.36 mL	1.82 mL	3.64 mL
10 mM	0.18 mL	0.91 mL	1.82 mL
50 mM	0.04 mL	0.18 mL	0.36 mL

## 5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of “Calculator”

## 6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

To be determined

In vivo study

To be determined

## 7. Bioactivity

Biological target

SLN 52449 enables selective attachment of molecules to specific targets in the body.

In vitro activity

To be determined

In vivo activity

To be determined

# Product data sheet



*Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.*