

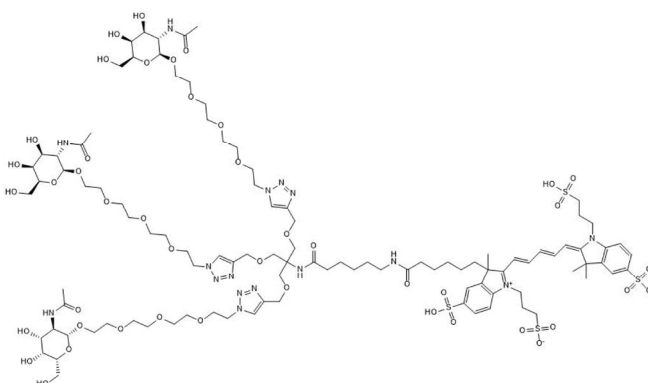
Product Name: tri-GalNAc-C5-AF647

Catalog No.: 7901

Batch No.: 1

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Weight: 2456.74
Physical Appearance: Dark blue gum
Solubility: DMSO to 10 mM
Storage: Store at -20°C
Batch Molecular Structure:



2. ANALYTICAL DATA

¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
UV Spectrum: Consistent with structure
λ_{max}: 662 nm (DMSO)
λ_{ex}: 663 nm (DMSO)
λ_{em}: 683 nm (DMSO)

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

Product Name: tri-GalNAc-C5-AF647

Catalog No.: 7901

1

Description:

Key information: tri-GalNAc-C5-AF647 is a fluorescent asialoglycoprotein receptor (ASGPR) ligand. Suitable for live-cell imaging. Can be used for lysosomal uptake imaging in live cells. Also can be used for isolating hepatocytes due to its uptake via ASGPR receptor. Application: Flow cytometry, fluorescence microscopy. Properties and Photophysical Data: Suitable for multiplexing and can be combined with DAPI (Cat. No. 5748) counter-staining. Excitation and emission maxima (λ) are 663 and 684 nm, respectively.

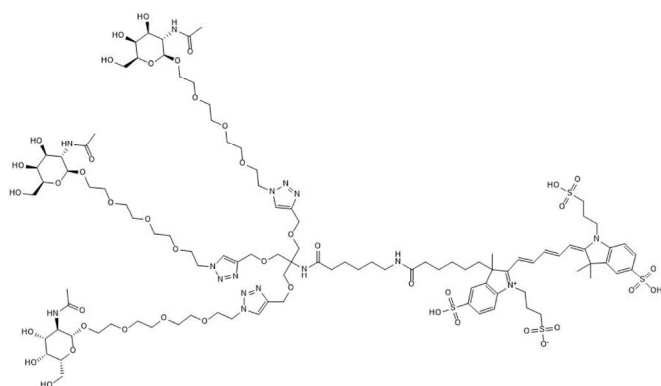
Physical and Chemical Properties:

Batch Molecular Weight: 2456.74

Physical Appearance: Dark blue gum

Minimum Purity: $\geq 90\%$

Batch Molecular Structure:



References:

Sanhueza et al (2017) Efficient liver targeting by polyvalent display of a compact ligand for the asialoglycoprotein receptor. *J.Am.Chem.Soc.* **139** 3528. PMID: 28230359.

Storage: Store at -20°C

CAUTION - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

Solubility & Usage Info:

DMSO to 10 mM

This product is supplied in lyophilized form. It may appear as a solid, gel or film and be very hard to visualize. Solutions should be made by adding solvent directly to the vial. The vial should then be vortexed vigorously to ensure the product has completely dissolved.

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. *Unless contradicted by product-specific protocols or instructions, our standard recommendations apply:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

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