



# SZABO SCANDIC

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## Produktinformation



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- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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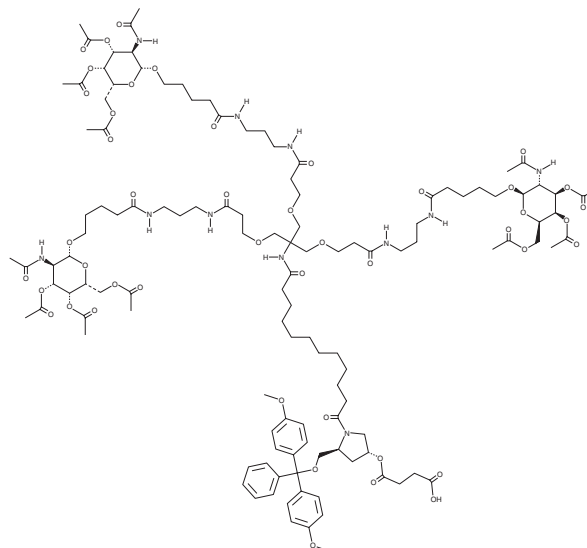
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# PRODUCT INFORMATION



## GalNAc-L96 Item No. 40455

**CAS Registry No.:** 1159408-61-3  
**Formal Name:** butanedioic acid, 1-[[[(3R,5S)-5-[[bis(4-methoxyphenyl)phenylmethoxy]methyl]-1-[1,12,19,25-tetraoxo-14,14-bis[[[3-oxo-3-[[3-[[[1-oxo-5-[[3,4,6-tri-O-acetyl-2-(acetylamino)-2-deoxy-β-D-galactopyranosyl]oxy]pentyl]amino]propyl]amino]propoxy]methyl]-29-[[[3,4,6-tri-O-acetyl-2-(acetylamino)-2-deoxy-β-D-galactopyranosyl]oxy]-16-oxa-13,20,24-triazanonacos-1-yl]-3-pyrrolidinyl] ester  
**Synonyms:** N-Acetylgalactosamine-L96, N-acetyl-D-Galactosamine-L96  
**MF:** C<sub>121</sub>H<sub>179</sub>N<sub>11</sub>O<sub>45</sub>  
**FW:** 2,507.8  
**Purity:** ≥98%  
**Supplied as:** A solid  
**Storage:** -20°C  
**Stability:** ≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Laboratory Procedures

GalNAc-L96 is supplied as a solid. A stock solution may be made by dissolving the GalNAc-L96 in the solvent of choice, which should be purged with an inert gas. GalNAc-L96 is sparingly soluble (1-10 mg/ml) in ethanol and DMSO.

Further dilutions of the stock solution into aqueous buffers or isotonic saline should be made prior to performing biological experiments. Ensure that the residual amount of organic solvent is insignificant, since organic solvents may have physiological effects at low concentrations. Organic solvent-free aqueous solutions of GalNAc-L96 can be prepared by directly dissolving the solid in aqueous buffers. GalNAc-L96 is sparingly soluble (1-10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

## Description

GalNAc-L96 is a triantennary N-acetylgalactosamine (GalNAc) asialoglycoprotein receptor (ASGPR) ligand.<sup>1</sup> It has been used in the synthesis of siRNA-GalNAc conjugates for RNA interference-mediated gene silencing *in vitro* and in mice.

## Reference

1. Nair, J.K., Willoughby, J.L., Chan, A., *et al.* Multivalent N-acetylgalactosamine-conjugated siRNA localizes in hepatocytes and elicits robust RNAi-mediated gene silencing. *J. Am. Chem. Soc.* **136(49)**, 16958-16961 (2014).

### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the [complete](#) Safety Data Sheet, which has been sent via email to your institution.

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