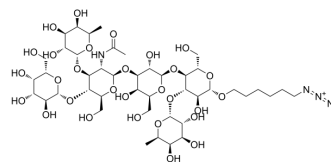


## Lacto-N-neodifucohexaose II

Cat. No.:	HY-N11454
CAS No.:	2583908-45-4
Molecular Formula:	C <sub>44</sub> H <sub>76</sub> N <sub>4</sub> O <sub>29</sub>
Molecular Weight:	1125.08
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Lacto-N-neodifucohexaose II (Compd 9) is a derivative of key human milk tetrasaccharide<sup>[1]</sup>. Lacto-N-neodifucohexaose II is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

### REFERENCES

[1]. Yingying Zhu, et al. Physiological effects, biosynthesis, and derivatization of key human milk tetrasaccharides, lacto- N-tetraose, and lacto- N-neotetraose. Crit Rev Biotechnol. 2022 Jun;42(4):578-596.

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA