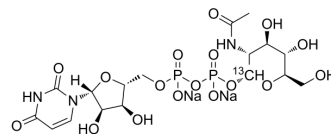


## UDP-GlcNAc-<sup>13</sup>C disodium

Cat. No.:	HY-112174S
Molecular Formula:	C <sub>16</sub> <sup>13</sup> CH <sub>25</sub> N <sub>3</sub> Na <sub>2</sub> O <sub>17</sub> P <sub>2</sub>
Molecular Weight:	652.31
Target:	Isotope-Labeled Compounds
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	UDP-GlcNAc- <sup>13</sup> C (disodium) is the <sup>13</sup> C labeled UDP-GlcNAc Disodium Salt. UDP-GlcNAc Disodium Salt (UDP-α-D-N-Acetylglucosamine Disodium Salt) is a donor substrate of O-GlcNAc transferase (O[1][2]).
<b>In Vitro</b>	Stable heavy isotopes of hydrogen, carbon, and other elements have been incorporated into drug molecules, largely as tracers for quantitation during the drug development process. Deuteration has gained attention because of its potential to affect the pharmacokinetic and metabolic profiles of drugs <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. *Ann Pharmacother*. 2019 Feb;53(2):211-216.
- [2]. Lefebvre T, et al. Antibodies and activity measurements for the detection of O-GlcNAc transferase and assay of its substrate, UDP-GlcNAc. *Methods Mol Biol*. 2013;1022:147-59.

**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