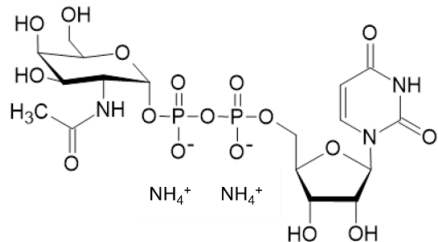


Technical Product Information

Product Name	Uridine 5'-diphospho- <i>N</i> -acetylgalactosamine ammonium salt
Synonyms	UDP- <i>N</i> -acetylgalactosamine; UDP-GalNAc
CAS No.	n/a
Related CAS No.	108320-87-2 (UDP-GalNAc disodium salt)
Formula	C ₁₇ H ₂₅ N ₃ O ₁₇ P ₂ · 2 NH ₄
Molecular weight	641.38 g/mol
Structure	
Description	UDP-GalNAc is a nucleotide sugar consisting of the nucleotide uridine 5'-diphosphate and a phosphate-bound monosaccharide, <i>N</i> -acetylgalactosamine. Nucleotide sugars are the activated forms of monosaccharides required for cellular metabolism and biosynthesis reactions. UDP-GalNAc serves as a donor substrate for <i>N</i> -acetylgalactosaminyltransferases in the biosynthesis of <i>N</i> -acetylgalactosamine-containing glycans and oligosaccharides.
Appearance	Lyophilized white powder
Purity	≥ 90 % (HPLC-UV); Product has not been tested for endotoxins.
Solubility	Clear (>50 mg/ml, H ₂ O)
Storage and shelf life	At -20°C
Special instructions	For research use only. Not for use in diagnostic procedures.
Toxicity & Safety	Not a hazardous substance or mixture according to Regulation (EC) No 1272/2008
Selected References	Rexer, T.; Laaf, D.; Gottschalk, J.; Frohnmeyer, H.; Rapp, E.; Elling, L., Enzymatic Synthesis of Glycans and Glycoconjugates. In <i>Advances in Biochemical Engineering/Biotechnology</i> , 2021 ; Vol. 175, pp 231-280.