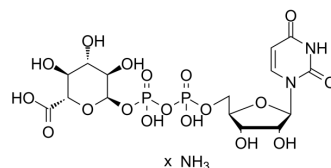


Uridine diphosphate glucuronic acid ammonium

Cat. No.:	HY-125954A
CAS No.:	43195-60-4
Molecular Formula:	$C_{15}H_{22}N_2O_{18}P_2 \cdot xNH_3$
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Uridine diphosphate glucuronic acid (UDP-GlcA) ammonium is a cofactor that is formed by the catalytic activity of UDP-glucose dehydrogenase. Uridine diphosphate glucuronic acid (ammonium) is a central precursor in sugar nucleotide biosynthesis and common substrate for C4-epimerases and decarboxylases releasing UDP-galacturonic acid (UDP-GalA) and UDP-pentose products, respectively. Uridine diphosphate glucuronic acid (ammonium), as a glucuronic acid donor, can be used for the research of the conjugation of bilirubin in the endoplasmic reticulum ^[1] .
IC₅₀ & Target	Human Endogenous Metabolite

REFERENCES

- [1]. Annika J E Borg, et al. Mechanistic characterization of UDP-glucuronic acid 4-epimerase. FEBS J. 2021 Feb;288(4):1163-1178.
- [2]. DUTTON GJ. Uridine diphosphate glucuronic acid as glucuronyl donor in the synthesis of ester, aliphatic and steroid glucuronides. Biochem J. 1956 Dec;64(4):693-701.

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

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