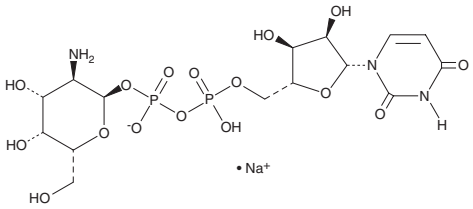
PRODUCT INFORMATION

UDP-D-Galactosamine (sodium salt)

Item No. 46215

Formal Name: uridine 5′-(trihydrogen diphosphate), P′-(2-amino-2-deoxy-α-D-galactopyranosyl) ester, monosodium salt
Synonym: UDP-GalN
MF: $C_{15}H_{24}N_3O_{16}P_2 \bullet Na$
FW: 587.3
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

UDP-D-galactosamine (sodium salt) is supplied as a solid. A stock solution may be made by dissolving the UDP-D-galactosamine (sodium salt) in water. UDP-D-galactosamine (sodium salt) is slightly soluble (0.1-1 mg/ml) in water. We do not recommend storing the aqueous solution for more than one day.

Description

UDP-D-galactosamine is a nucleoside building block that has been used in the synthesis of UDP-N-acetyl-α-D-galactosamine derivatives for the study of polypeptide N-acetylgalactosaminyltransferases (GalNAcTs).[1] UDP-D-galactosamine accumulates in the liver of endotoxin-resistant and -sensitive strains of mice following administration of D-galactosamine (Item No. 22981).[2]

References

1. Choi, J., Wagner, L.J.S., Timmermans, S.B.P.E., *et al.* Engineering orthogonal polypeptide GalNAc-transferase and UDP-sugar pairs. *J. Am. Chem. Soc.* **141(34)**, 13442-13453 (2019).
2. Freudenberg, M.A., Keppler, D., and Galanos, C. Requirement for lipopolysaccharide-responsive macrophages in galactosamine-induced sensitization to endotoxin. *Infect. Immun.* **51(3)**, 891-895 (1986).

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.

WARRANTY AND LIMITATION OF REMEDY
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CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.CAYMANCHEM.COM