

Product Information

UDP-GalNAc, Purity $\geq 95\%$

Cat. No.: X25-05-ZQ733

Size: 100 mg; 250 mg; 500 mg; 1 g; 5 g

CAS Number: 7277-98-7

Compound CID: 23700

Synonym: Uridine-diphosphate-*N*-acetylgalactosamine;

[(2*R*,3*R*,4*R*,5*R*,6*R*)-3-Acetamido-4,5-dihydroxy-6-(hydroxymethyl)oxan-2-yl]

[[[(2*R*,3*S*,4*R*,5*R*)-5-(2,4-dioxypyrimidin-1-yl)-3,4-dihydroxyoxolan-2-yl]methoxy-hydroxyphosphoryl] hydrogen phosphate

This product is for research use only and is not intended for diagnostic use.

Product Information

Description	UDP-GalNAc is uridine diphosphate <i>N</i> -acetylgalactosamine, a nucleotide sugar, water-soluble and involved in glycosylation reactions.
Molecular Weight	607.4
Molecular Formula	C ₁₇ H ₂₇ NO ₁₇ P ₂
IUPAC Name	<i>N</i> -[1-[(2 <i>R</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>R</i>))-5-[[bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-hydroxy-3-[3-[(2,2,2-trifluoroacetyl)amino]propoxy]oxolan-2-yl]-2-oxypyrimidin-4-yl]benzamide
InChI	InChI=1S/C42H41F3N4O9/c1-54-31-18-14-29(15-19-31)41(28-12-7-4-8-13-28,30-16-20-32(55-2)21-17-30)57-26-33-35(50)36(56-25-9-23-46-39(52)42(43,44)45)38(58-33)49-24-22-34(48-40(49)53)47-37(51)27-10-5-3-6-11-27/h3-8,10-22,24,33,35-36,38,50H,9,23,25-26H2,1-2H3,(H,46,52)(H,47,48,51,53)/t33-,35-,36-,38-/m1/s1
InChI Key	VDDTUBXXNJPUKC-XHOUGWTJSA-N
Canonical SMILES	COC1=CC=C(C=C1)C(C2=CC=CC=C2)(C3=CC=C(C=C3)OC)OC[C@@H]4[C@H]([C@H]([C@@H](O4)N5C=CC(=NC5=O)NC(=O)C6=CC=CC=C6)O)C(F)(F)O
Source	Chemical synthesis
Form	Solid or powder
Purity	$\geq 95\%$
Solubility	UDP-GalNAc is soluble in water and organic solvents such as DCM, DMF, and DMSO.
Identity	Confirmed by MS/NMR.
Stability	The product is stable for 1 year when stored at the recommended temperature in powder.



Quality Level	Research grade
Applications	UDP-GalNAc is a nucleotide sugar involved in the biosynthesis of glycoconjugates containing _N -acetylgalactosamine.
Storage	Store at -20°C, protect from light.
