

## Product Information

### CMP-Neu5Gc, Purity $\geq 95\%$

**Cat. No.:** X25-05-ZQ732

**Size:** 50 mg; 100 mg; 300 mg; 500 mg; 1 g

**CAS Number:** 98300-80-2

**Compound CID:** 126897

**Synonym:** 98300-80-2; Cytidine monophosphate-*N*-glycolylneuraminic acid; CMP-*N*-glycolylneuraminic acid

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

#### Product Information

<b>Description</b>	CMP-Neu5Gc is cytidine monophosphate <i>N</i> -glycolylneuraminic acid, a nucleotide sugar, water-soluble and involved in glycosylation reactions in some organisms.
<b>Molecular Weight</b>	630.5
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>31</sub> NO <sub>17</sub> P
<b>IUPAC Name</b>	[(2 <i>R</i> ,3 <i>R</i> ,4 <i>R</i> ,5 <i>R</i> )-2-[[bis(4-methoxyphenyl)-phenylmethoxy]methyl]-4-methoxy-5-[5-(naphthalen-2-ylmethylcarbamoyl)-2,4-dioxypyrimidin-1-yl]oxolan-3-yl] acetate
<b>InChI</b>	InChI=1S/C45H43N3O10/c1-28(49)57-39-38(27-56-45(32-12-6-5-7-13-32,33-16-20-35(53-2)21-17-33)34-18-22-36(54-3)23-19-34)58-43(40(39)55-4)48-26-37(42(51)47-44(48)52)41(50)46-25-29-14-15-30-10-8-9-11-31(30)24-29/h5-24,26,38-40,43H,25,27H2,1-4H3,(H,46,50)(H,47,51,52)/t38-,39-,40-,43-/m1/s1
<b>InChI Key</b>	YLJAEVQTZVZLDY-OYSHXDRRSA-N
<b>Canonical SMILES</b>	<chem>CC(=O)O[C@@H]1[C@H](O[C@H]([C@@H]1OC)N2C=C(C(=O)NC2=O)C(=O)NCC3=CC4=CC=C(C=C4C=C3)COC(C5=CC=CC=C5)(C6=CC=C(C=C6)OC)C7=CC=C(C=C7)OC</chem>
<b>Source</b>	Chemical synthesis
<b>Form</b>	Solid or powder
<b>Purity</b>	$\geq 95\%$
<b>Solubility</b>	CMP-Neu5Gc is soluble in water and organic solvents such as DCM, DMF, and DMSO.
<b>Identity</b>	Confirmed by MS/NMR.
<b>Stability</b>	The product is stable for 1 year when stored at the recommended temperature in powder.
<b>Quality Level</b>	Research grade
<b>Applications</b>	CMP-Neu5Gc is a sialic acid nucleotide involved in the biosynthesis of glycoconjugates containing <i>N</i> -glycolylneuraminic acid.



**Storage**

Store at -20°C, protect from light.

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