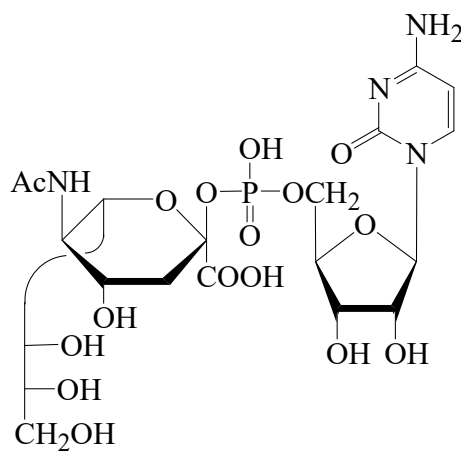




>>Entry Name: *N*-Acetyl- β -neuraminic acid 2-(hydrogen 5'-cytidylate)

Synonym(s): 5-(Acetylamino)-3,5-dideoxy-D-*glycero*- β -D-*galacto*-2-nonulopyranosonic acid 2-(hydrogen 5'-cytidylate), 9Cl. 5-Acetamido-3,5-dideoxy-D-*glycero*-D-*galacto*-nonulosonic acid 2-ester with 5'-cytidylic acid, 8Cl. Cytidine 5'-monophosphate *N*-acetylneuraminic acid. Cytidine 5'-monophosphosialate. CMP-NAN. CMP-Neu5Ac. CMP-Sialic acid



CAS Registry Number: 3063-71-6

Molecular Formula: C₂₀H₃₁N₄O₁₆P

Molecular Weight: 614.456

Accurate Mass: 614.147273

Percentage Composition: C 39.09%; H 5.08%; N 9.12%; O 41.66%; P 5.04%

Physical Description: Cryst. (as bis(triethylammonium) salt)

Optical Rotation: [α]_D²⁰+18 (c, 1.9 in H₂O) (salt)

References:

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Higa, H.H. *et al.*, *J. Biol. Chem.*, 1985, **260**, 8838-8848, (*synth, pmr*)
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Auge, C. *et al.*, *Carbohydr. Res.*, 1990, **200**, 257-268, (*synth, pmr*)