



## Product Information

### N-Acetylneuraminic acid dimer $\alpha(2-8)$

**Cat. No.:** X23-03-ZQ356

**Size:** 500 mg; 1 g; 10 g; 25 g

**CAS Number:** 95983-78-1

**PubChem Substance ID:** 468592490

**PubChem CID:** 146680234

**Synonym:** 95983-78-1;

(4S,5R)-5-Acetamido-2-[(2R,3S,4R,5R,6S

)-5-

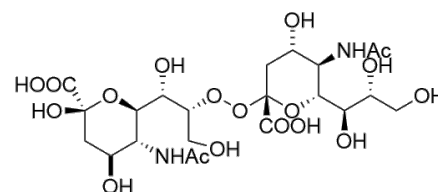
acetam

ido-8-carboxy-

1,3,4,6-tetrahydroxy-8-oxooct

an-2-yl]oxy-4-hydroxy-6-[(1R,2R)-1,2,3-trihydroxypropyl]oxane-2-carboxylic acid

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



### Product Information

|                          |                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Molecular Weight</b>  | 600.53                                                                                                                                                                                                                                                                 |
| <b>Molecular Formula</b> | C <sub>22</sub> H <sub>36</sub> N <sub>2</sub> O <sub>17</sub>                                                                                                                                                                                                         |
| <b>InChI</b>             | InChI=1S/C22H36N2O17/c1-7(27)23-14(9(29)3-10(30)20(36)37)18(35)17(34)13(6-26)40-22(21(38)39)4-11(31)15(24-8(2)28)19(41-22)16(33)12(32)5-25/h9,11-19,25-26,29,31-35H,3-6H2,1-2H3,(H,23,27)(H,24,28)(H,36,37)(H,38,39)/t9-,11-,12+,13+,14+,15+,16+,17+,18+,19?,22?/m0/s1 |
| <b>InChI Key</b>         | RBHZITK0XCMFCZ-SDAKMOIXSA-N                                                                                                                                                                                                                                            |
| <b>Canonical SMILES</b>  | CC(=O)NC1C(CC(OC1C(C(CO)O)O)(C(=O)O)OC(CO)C(C(C(C(C(=O)C(=O)O)O)NC(=O)C)O)O                                                                                                                                                                                            |
| <b>Isomeric SMILES</b>   | CC(=O)N[C@@H]1[C@H](CC(OC1[C@@H]([C@@H](CO)O)O)(C(=O)O)O[C@H](CO)[C@H]([C@@H]([C@@H]([C@H](CC(=O)C(=O)O)O)NC(=O)C)O)O                                                                                                                                                  |
| <b>Form</b>              | White powder                                                                                                                                                                                                                                                           |
| <b>Purity</b>            | >95.0%, determined by HPLC.                                                                                                                                                                                                                                            |
| <b>Applications</b>      | N-Acetylneuraminic acid dimer $\alpha(2-8)$ can be used for content analysis, substance identification and chemical synthesis.                                                                                                                                         |
| <b>Storage</b>           | Store at -20°C.                                                                                                                                                                                                                                                        |



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## Safety Information

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| <b>Personal Protective<br/>Equipment</b> | Gloves, eyeshields, N95 mask |
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