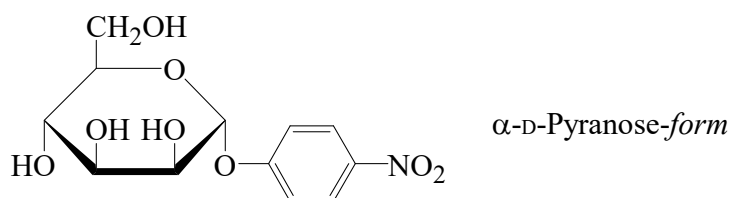




>>Entry Name: 4-Nitrophenyl mannoside



**Molecular Formula:** C<sub>12</sub>H<sub>15</sub>NO<sub>8</sub>

**Molecular Weight:** 301.252

**Accurate Mass:** 301.079769

**Percentage Composition:** C 47.84%; H 5.02%; N 4.65%; O 42.49%

>>Variant:  $\alpha$ -D-Pyranose-form

**CAS Registry Number:** 10357-27-4

**Molecular Formula:** C<sub>12</sub>H<sub>15</sub>NO<sub>8</sub>

**Molecular Weight:** 301.252

**Accurate Mass:** 301.079769

**Percentage Composition:** C 47.84%; H 5.02%; N 4.65%; O 42.49%

**Physical Description:** Flakes (MeOH/Et<sub>2</sub>O)

**Melting Point:** Mp 182-184°

**Optical Rotation:**  $[\alpha]_D^{20} +155$  (c, 0.44 in H<sub>2</sub>O)

>>Derivative: 2,3,4,6-Tetra-Ac

**CAS Registry Number:** 13242-51-8

**Molecular Formula:** C<sub>20</sub>H<sub>23</sub>NO<sub>12</sub>

**Molecular Weight:** 469.401

**Accurate Mass:** 469.122029

**Percentage Composition:** C 51.18%; H 4.94%; N 2.98%; O 40.90%

**Physical Description:** Cryst.

**Melting Point:** Mp 154°

**Optical Rotation:**  $[\alpha]_D^{22} +48$  (c, 5 in MeOH).  $[\alpha]_D^{20} +207$  (c, 4 in CHCl<sub>3</sub>)

>>Derivative: 2,3,4-Tribenzoyl

**CAS Registry Number:** 101455-27-0

**Molecular Formula:** C<sub>33</sub>H<sub>27</sub>NO<sub>11</sub>

**Molecular Weight:** 613.576

**Accurate Mass:** 613.158414

**Percentage Composition:** C 64.60%; H 4.44%; N 2.28%; O 28.68%

**Physical Description:** Cryst. (EtOAc/hexane)

**Melting Point:** Mp 150-152°

**Optical Rotation:**  $[\alpha]_D^{22} +5.7$  (c, 0.9 in CHCl<sub>3</sub>)

>>Variant:  $\beta$ -D-Pyranose-form

**CAS Registry Number:** 35599-02-1

**Molecular Formula:** C<sub>12</sub>H<sub>15</sub>NO<sub>8</sub>

**Molecular Weight:** 301.252

**Accurate Mass:** 301.079769

**Percentage Composition:** C 47.84%; H 5.02%; N 4.65%; O 42.49%

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 206-207°

**Optical Rotation:**  $[\alpha]_D^{20} -125$  (c, 0.46 in H<sub>2</sub>O)

>>Derivative: 2,3,4,6-Tetra-Ac

**CAS Registry Number:** 58918-67-5