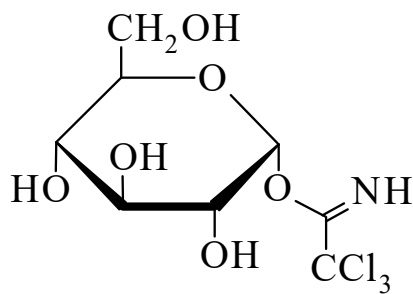




>>Entry Name: *O*-Glucopyranosyl trichloroacetimidate

Synonym(s): 1-*O*-Trichloroacetimidylglucopyranose



**Molecular Formula:** C<sub>8</sub>H<sub>12</sub>Cl<sub>3</sub>NO<sub>6</sub>

**Molecular Weight:** 324.544

**Accurate Mass:** 322.97302

**Percentage Composition:** C 29.61%; H 3.73%; Cl 32.77%; N 4.32%; O 29.58%

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

**Molecular Formula:** C<sub>8</sub>H<sub>12</sub>Cl<sub>3</sub>NO<sub>6</sub>

**Molecular Weight:** 324.544

**Accurate Mass:** 322.97302

**Percentage Composition:** C 29.61%; H 3.73%; Cl 32.77%; N 4.32%; O 29.58%

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

Synonym(s): *O*-(2,3,4,6-Tetra-*O*-acetyl- $\alpha$ -D-glucopyranosyl)trichloroacetimidate

**CAS Registry Number:** 74808-10-9

**Molecular Formula:** C<sub>16</sub>H<sub>20</sub>Cl<sub>3</sub>NO<sub>10</sub>

**Molecular Weight:** 492.693

**Accurate Mass:** 491.01528

**Percentage Composition:** C 39.01%; H 4.09%; Cl 21.59%; N 2.84%; O 32.47%

**Optical Rotation:** [ $\alpha$ ]<sub>278</sub><sup>20</sup> +103 (c, 1.2 in CHCl<sub>3</sub>)

>>Derivative: 2,3,4,6-Tetrabenzyl

Synonym(s): *O*-(2,3,4,6-Tetra-*O*-benzyl- $\alpha$ -D-glucopyranosyl)trichloroacetimidate

**CAS Registry Number:** 74808-09-6

**Molecular Formula:** C<sub>36</sub>H<sub>36</sub>Cl<sub>3</sub>NO<sub>6</sub>

**Molecular Weight:** 685.042

**Accurate Mass:** 683.16082

**Percentage Composition:** C 63.12%; H 5.30%; Cl 15.53%; N 2.04%; O 14.01%

**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup> +61.5 (c, 1.0 in CHCl<sub>3</sub>)

#### References:

Schmidt, R.R. *et al.*, *Angew. Chem., Int. Ed.*, 1980, **19**, 731