



**Molecular Formula:** C<sub>11</sub>H<sub>16</sub>O<sub>8</sub>  
**Molecular Weight:** 276.243  
**Accurate Mass:** 276.08452  
**Percentage Composition:** C 47.83%; H 5.84%; O 46.33%  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>15</sup>+77.5 (c, 1.54 in EtOH)

>>>**Derivative:** 1,3,5-Tribenzoyl  
**Synonym(s):** 1,3,5-Tri-*O*-benzoyl- $\alpha$ -D-ribofuranose

**CAS Registry Number:** 22224-41-5

**Molecular Formula:** C<sub>26</sub>H<sub>22</sub>O<sub>8</sub>  
**Molecular Weight:** 462.455  
**Accurate Mass:** 462.13147  
**Percentage Composition:** C 67.53%; H 4.79%; O 27.68%  
**Melting Point:** Mp 125-129°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>20</sup>+85 (c, 1 in CHCl<sub>3</sub>)  
**Aldrich:** 38908-0  
**Fluka:** 90650

>>>**Derivative:** 1,2-*O*-Isopropylidene

>>>**Derivative:** 2,3-*O*-Isopropylidene

>>>**Derivative:** 1,2-*O*-Benzylidene  
**Synonym(s):** 1,2-*O*-Benzylidene- $\alpha$ -D-ribofuranose

**Molecular Formula:** C<sub>12</sub>H<sub>14</sub>O<sub>5</sub>  
**Molecular Weight:** 238.24  
**Accurate Mass:** 238.084125  
**Percentage Composition:** C 60.50%; H 5.92%; O 33.58%  
**Physical Description:** Cryst. (EtOAc/petrol)  
**Melting Point:** Mp 92-93°  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>23</sup>+36.4 (c, 1.05 in CHCl<sub>3</sub>)

>>>**Derivative:** Me glycoside

>>>**Variant:**  $\beta$ -D-Furanose-form

**CAS Registry Number:** 36468-53-8  
**Molecular Formula:** C<sub>5</sub>H<sub>10</sub>O<sub>5</sub>  
**Molecular Weight:** 150.131  
**Accurate Mass:** 150.052825  
**Percentage Composition:** C 40.00%; H 6.71%; O 53.28%

>>>**Derivative:** 1,2,3-Tri-Ac  
**Synonym(s):** 1,2,3-Tri-*O*-acetyl- $\beta$ -D-ribofuranose

**CAS Registry Number:** 130792-81-3

**Molecular Formula:** C<sub>11</sub>H<sub>16</sub>O<sub>8</sub>  
**Molecular Weight:** 276.243  
**Accurate Mass:** 276.08452  
**Percentage Composition:** C 47.83%; H 5.84%; O 46.33%  
**Optical Rotation:** [ $\alpha$ ]<sub>D</sub><sup>10</sup>+3.3 (c, 0.75 in EtOH)