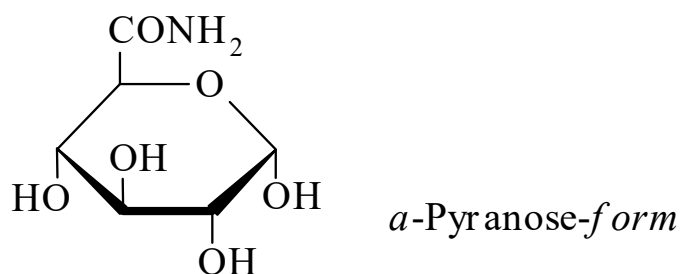




>>Entry Name: Glucuronamide, 9CI, BAN, INN



CAS Registry Number: 3789-97-7

Molecular Formula: C<sub>6</sub>H<sub>11</sub>NO<sub>6</sub>

Molecular Weight: 193.156

Accurate Mass: 193.058639

Percentage Composition: C 37.31%; H 5.74%; N 7.25%; O 49.70%

Aldrich: 21948-7

Sigma: G8750

>>Variant: α-D-Pyranose-form

Synonym(s): α-D-Glucopyranuronamide

CAS Registry Number: 52305-42-7

Molecular Formula: C<sub>6</sub>H<sub>11</sub>NO<sub>6</sub>

Molecular Weight: 193.156

Accurate Mass: 193.058639

Percentage Composition: C 37.31%; H 5.74%; N 7.25%; O 49.70%

>>Derivative: Me glycoside, 4-Me

Synonym(s): Methyl 4-*O*-methyl-α-D-glucopyranosiduronamide

Molecular Formula: C<sub>8</sub>H<sub>15</sub>NO<sub>6</sub>

Molecular Weight: 221.21

Accurate Mass: 221.089939

Percentage Composition: C 43.44%; H 6.83%; N 6.33%; O 43.40%

Melting Point: Mp 236°

Optical Rotation: [α]<sub>D</sub> +150 (H<sub>2</sub>O)

>>Derivative: Me glycoside, 3,4-di-Me

Synonym(s): Methyl 3,4-di-*O*-methyl-α-D-glucopyranosiduronamide

Molecular Formula: C<sub>9</sub>H<sub>17</sub>NO<sub>6</sub>

Molecular Weight: 235.236

Accurate Mass: 235.105589

Percentage Composition: C 45.95%; H 7.28%; N 5.95%; O 40.81%

Melting Point: Mp 191-193°

Optical Rotation: [α]<sub>D</sub> +100 (H<sub>2</sub>O)

>>Derivative: Me glycoside, 2,3,4-tri-Me

Synonym(s): Methyl 2,3,4-tri-*O*-methyl-α-D-glucopyranosiduronamide

Molecular Formula: C<sub>10</sub>H<sub>19</sub>NO<sub>6</sub>

Molecular Weight: 249.263

Accurate Mass: 249.121239

Percentage Composition: C 48.19%; H 7.68%; N 5.62%; O 38.51%

Melting Point: Mp 183°

Optical Rotation: [α]<sub>D</sub> +137.5 (H<sub>2</sub>O)