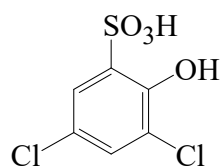




>>Entry Name: 3,5-Dichloro-2-hydroxybenzenesulfonic acid, 8Cl

Synonym(s): 3,5-Dichlorophenol-2-sulfonic acid



CAS Registry Number: 26281-43-6

Related CAS Registry Numbers(s): 50349-59-2 95041-38-6 110685-30-8 123440-91-5

Molecular Formula: C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub>O<sub>4</sub>S

Molecular Weight: 243.067

Accurate Mass: 241.920734

Percentage Composition: C 29.65%; H 1.66%; Cl 29.17%; O 26.33%; S 13.19%

Use/Importance: Colour generating reagent used with oxidative enzyme systems for determination of e.g. uric acid and cholesterol

>>Derivative: Na salt

CAS Registry Number: 54970-72-8

Physical Description: Off-white flakes (H<sub>2</sub>O)

Other Data: Mp >200°

Aldrich: 23882-1

Sigma: D4645

>>Derivative: Ph ester

CAS Registry Number: 62807-46-9

Molecular Formula: C<sub>12</sub>H<sub>8</sub>Cl<sub>2</sub>O<sub>4</sub>S

Molecular Weight: 319.164

Accurate Mass: 317.952034

Percentage Composition: C 45.16%; H 2.53%; Cl 22.22%; O 20.05%; S 10.05%

Physical Description: Cryst. (C<sub>6</sub>H<sub>6</sub>)

Melting Point: Mp 108°

>>Derivative: Chloride

CAS Registry Number: 23378-88-3

Molecular Formula: C<sub>6</sub>H<sub>3</sub>Cl<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 261.512

Accurate Mass: 259.886846

Percentage Composition: C 27.56%; H 1.16%; Cl 40.67%; O 18.35%; S 12.26%

Physical Description: Cryst. (CCl<sub>4</sub>)

Melting Point: Mp 82.5-83.5°

Aldrich: 14611-0

>>Derivative: Chloride, phenylurethane

CAS Registry Number: 71293-20-4

Molecular Formula: C<sub>13</sub>H<sub>8</sub>Cl<sub>3</sub>NO<sub>4</sub>S

Molecular Weight: 380.635

Accurate Mass: 378.92396

Percentage Composition: C 41.02%; H 2.12%; Cl 27.94%; N 3.68%; O 16.81%; S 8.42%

Physical Description: Cryst. (EtOH)

Melting Point: Mp 155-156°

>>Derivative: Azide

CAS Registry Number: 71293-01-1

Molecular Formula: C<sub>6</sub>H<sub>3</sub>Cl<sub>2</sub>N<sub>3</sub>O<sub>3</sub>S

Molecular Weight: 268.079

Accurate Mass: 266.927216

Percentage Composition: C 26.88%; H 1.13%; Cl 26.45%; N 15.67%; O 17.90%; S 11.96%

Physical Description: Cryst. (CCl<sub>4</sub>)

Melting Point: Mp 89-90°