



>>Entry Name: 4-Mercapto-1,2-benzenediol, 9Cl

Synonym(s): 4-Mercaptopyrocatechol, 8Cl. 3,4-Dihydroxythiophenol. 4-Mercaptocatechol

CAS Registry Number: 27320-22-5

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

Molecular Weight: 142.178

Accurate Mass: 142.00885

Percentage Composition: C 50.69%; H 4.25%; O 22.51%; S 22.55%

Melting Point: Mp 57°

>>Derivative: S-Me

Synonym(s): 4-(Methylthio)-1,2-benzenediol, 9Cl. 3,4-Dihydroxythioanisole

CAS Registry Number: 64131-94-8

Molecular Formula: C<sub>7</sub>H<sub>8</sub>O<sub>2</sub>S

Molecular Weight: 156.205

Accurate Mass: 156.0245

Percentage Composition: C 53.82%; H 5.16%; O 20.49%; S 20.53%

Melting Point: Mp 57°

>>Derivative: 1-Me ether

Synonym(s): 5-Mercapto-2-methoxyphenol, 9Cl. 3-Hydroxy-4-methoxythiophenol

CAS Registry Number: 69845-06-3

Molecular Formula: C<sub>7</sub>H<sub>8</sub>O<sub>2</sub>S

Molecular Weight: 156.205

Accurate Mass: 156.0245

Percentage Composition: C 53.82%; H 5.16%; O 20.49%; S 20.53%

Melting Point: Mp 41-42°

>>Derivative: 2-Me ether

Synonym(s): 4-Mercapto-2-methoxyphenol, 9Cl. 4-Hydroxy-3-methoxythiophenol

CAS Registry Number: 69845-05-2

Molecular Formula: C<sub>7</sub>H<sub>8</sub>O<sub>2</sub>S

Molecular Weight: 156.205

Accurate Mass: 156.0245

Percentage Composition: C 53.82%; H 5.16%; O 20.49%; S 20.53%

Melting Point: Mp 43-44°

>>Derivative: Di-Me ether

Synonym(s): 3,4-Dimethoxybenzenethiol, 9Cl. 3,4-Dimethoxythiophenol

CAS Registry Number: 700-96-9

Molecular Formula: C<sub>8</sub>H<sub>10</sub>O<sub>2</sub>S

Molecular Weight: 170.232

Accurate Mass: 170.04015

Percentage Composition: C 56.45%; H 5.92%; O 18.80%; S 18.84%

Physical Description: Oil

Boiling Point: Bp<sub>2</sub> 124-127°

>>Derivative: O,O,S-Tri-Me

Synonym(s): 1,2-Dimethoxy-4-(methylthio)benzene, 9Cl. 3,4-Dimethoxythioanisole

CAS Registry Number: 2570-43-6

Molecular Formula: C<sub>9</sub>H<sub>12</sub>O<sub>2</sub>S

Molecular Weight: 184.259

Accurate Mass: 184.0558

Percentage Composition: C 58.67%; H 6.56%; O 17.37%; S 17.40%

Melting Point: Mp 31-32°

Boiling Point: Bp<sub>0.4</sub> 94-95°

References: