



>>Derivative: S,S-Dioxide, Et ester

CAS Registry Number: 6274-54-0

Molecular Formula: C₁₀H₁₂O₄S

Molecular Weight: 228.268

Accurate Mass: 228.04563

Percentage Composition: C 52.62%; H 5.30%; O 28.04%; S 14.05%

Melting Point: Mp 95-96°

>>Derivative: S,S-Dioxide, chloride

CAS Registry Number: 40913-92-6

Molecular Formula: C₈H₇ClO₃S

Molecular Weight: 218.66

Accurate Mass: 217.980442

Percentage Composition: C 43.94%; H 3.23%; Cl 16.21%; O 21.95%; S 14.66%

Melting Point: Mp 132°

>>Derivative: S,S-Dioxide, amide

Molecular Formula: C₈H₉NO₃S

Molecular Weight: 199.23

Accurate Mass: 199.030314

Percentage Composition: C 48.23%; H 4.55%; N 7.03%; O 24.09%; S 16.09%

Melting Point: Mp 248-250 dec.°

>>Derivative: S,S-Dioxide, nitrile

CAS Registry Number: 22821-76-7

Molecular Formula: C₈H₇NO₂S

Molecular Weight: 181.215

Accurate Mass: 181.019749

Percentage Composition: C 53.02%; H 3.89%; N 7.73%; O 17.66%; S 17.70%

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 142° (134-135°)

References:

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