



Molecular Formula: C₆H₅N₃O₂S

Molecular Weight: 183.19

Accurate Mass: 183.010247

Percentage Composition: C 39.34%; H 2.75%; N 22.94%; O 17.47%; S 17.50%

Boiling Point: Bp_{0.05} 61°

Hazard & Toxicity: Crude material explodes on heating

>>Derivative: Anhydride

CAS Registry Number: 512-35-6

Molecular Formula: C₁₂H₁₀O₅S₂

Molecular Weight: 298.34

Accurate Mass: 297.996965

Percentage Composition: C 48.31%; H 3.38%; O 26.81%; S 21.50%

Use/Importance: Reagent for Friedel-Crafts synth. of sulfones

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 92°. Mp 88.5-91.5°

Boiling Point: Bp₁₀ 240° dec.

Hazard & Toxicity: Reacts explosively with H₂O₂

References:

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