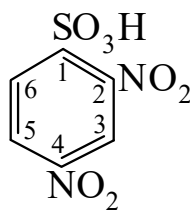




>>Entry Name: 2,4-Dinitrobenzenesulfonic acid, 9Cl, 8Cl



CAS Registry Number: 89-02-1

Type of Compound Code(s): PG5250

Molecular Formula: C₆H₄N₂O₇S

Molecular Weight: 248.173

Accurate Mass: 247.973923

Percentage Composition: C 29.04%; H 1.62%; N 11.29%; O 45.13%; S 12.92%

Use/Importance: Used in photography and steel-coating treatments. Anal. reagent for amines

Physical Description: Cryst. + 3H₂O

Melting Point: Mp 106-108° (hydrate). Mp 130° (anhyd.)

Hazard & Toxicity: Skin and eye irritant. LD₅₀ (rat, orl) 5800 mg/kg

>>Derivative: Chloride

CAS Registry Number: 1656-44-6

Molecular Formula: C₆H₃ClN₂O₆S

Molecular Weight: 266.618

Accurate Mass: 265.940035

Percentage Composition: C 27.03%; H 1.13%; Cl 13.30%; N 10.51%; O 36.01%; S 12.03%

Melting Point: Mp 102°

Aldrich: 14295-6

Fluka: 42020

Sigma: D9266

>>Derivative: Amide

CAS Registry Number: 73901-01-6

Molecular Formula: C₆H₅N₃O₆S

Molecular Weight: 247.188

Accurate Mass: 246.989907

Percentage Composition: C 29.15%; H 2.04%; N 17.00%; O 38.84%; S 12.97%

Melting Point: Mp 154°

>>Derivative: Hydrazide

see 2,4-Dinitrobenzenesulfonylhydrazine, [DMR45-I](#)

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