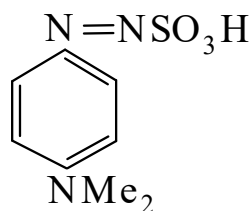




>>Entry Name: 4-Dimethylaminobenzenediazosulfonic acid

Synonym(s): [4-(Dimethylamino)phenyl]diazenesulfonic acid, 9CI



CAS Registry Number: 150-70-9

Related CAS Registry Numbers(s): 17668-91-6 21408-73-1 85518-96-3

Molecular Formula: $C_8H_{11}N_3O_3S$

Molecular Weight: 229.259

Accurate Mass: 229.052112

Percentage Composition: C 41.91%; H 4.84%; N 18.33%; O 20.94%; S 13.99%

Physical Description: Violet prisms

Melting Point: Mp 144°

>>Derivative: Na salt

Synonym(s): Fenaminosulf, BSI. Lesan. Dexon

CAS Registry Number: 140-56-7

Use/Importance: Seed and soil fungicide. Superseded

Physical Description: Yellowish-brown powder

Solubility: Mod. sol. H_2O , sol. DMF

Hazard & Toxicity: LD₅₀ (rat, orl) 60 mg/kg. Exp. teratogenic effects

Sigma: D1928

References:

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MacDougall, D., *Anal. Methods Pestic. Plant Growth Regul.*, 1964, **3**, 49, (*rev, detn*)

Pai, S.B. *et al.*, *J. Environ. Sci. Health, Part A*, 1983, **18**, 503, (*tox*)

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