



>>Entry Name: 6-Diazo-5,6-dihydro-5-oxo-1-naphthalenesulfonic acid, 9Cl

CAS Registry Number: 20546-03-6

Extra CAS Registry Numbers(s): 53252-02-1

Molecular Formula: C₁₀H₆N₂O₄S

Molecular Weight: 250.234

Accurate Mass: 250.004828

Percentage Composition: C 48.00%; H 2.42%; N 11.19%; O 25.58%; S 12.81%

Use/Importance: Derivs. used as photosensitive agents

Physical Description: No phys props. reported

>>Derivative: Ester with 2,3,4-trihydroxybenzophenone

CAS Registry Number: 68510-93-0

Use/Importance: Used in positive working photoresist compositions for semiconductors

Physical Description: No phys. props. reported

Other Data: Undefined struct.

>>Derivative: Ester with 2,3,4,4'-tetrahydroxybenzophenone

CAS Registry Number: 107761-81-9

Use/Importance: Used in positive working photoresist compositions for semiconductors

Other Data: Undefined struct.

>>Derivative: Chloride

CAS Registry Number: 3770-97-6

Extra CAS Registry Numbers(s): 38638-43-6

Molecular Formula: C₁₀H₅ClN₂O₃S

Molecular Weight: 268.68

Accurate Mass: 267.97094

Percentage Composition: C 44.70%; H 1.88%; Cl 13.20%; N 10.43%; O 17.86%; S 11.93%

Melting Point: Mp 140° (dec.)

References:

Ger. Pat., 1904, 171 024; *Chem. Zentralbl.*, 1906, **2**, 476, (*synth*)

Geigy, J.R., *Chem. Zentralbl.*, 1906, **2**, 474, (*synth*)

U.S. Pat., 1960, 2 958 599; *CA*, **55**, 6222g, (*chloride, synth*)

U.S. Pat., 1962, 3 046 120; *CA*, **57**, 13340f, (*chloride*)

U.S. Pat., 1982, 4 366 224; *CA*, **98**, 98837z, (*ester with 2,3,4-trihydroxybenzophenone*)

Gey, E. *et al.*, *J. Prakt. Chem.*, 1985, **327**, 261-269, (*pmr, cmr, uv, ir*)

Ger. Pat., 1987, 3 626 578; *CA*, **106**, 166229, (*ester with 2,3,4,4'-tetrahydroxybenzophenone*)