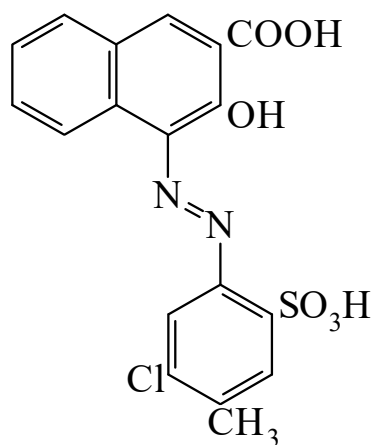




>>Entry Name: Lithol Scarlet

Synonym(s): 4-[(5-Chloro-4-methyl-2-sulfophenyl)azo]-3-hydroxy-2-naphthalenecarboxylic acid, 9Cl. C.I. 15865. C.I. Pigment red 48



CAS Registry Number: 16013-44-8

Molecular Formula: C₁₈H₁₃ClN₂O₆S

Molecular Weight: 420.829

Accurate Mass: 420.018285

Percentage Composition: C 51.37%; H 3.11%; Cl 8.42%; N 6.66%; O 22.81%; S 7.62%

Use/Importance: Pigment for printing inks

>>Derivative: Ca salt

Synonym(s): C.I. Pigment red 48:2

CAS Registry Number: 7023-61-2

Physical Description: Maroon solid

>>Derivative: Ba salt

Synonym(s): C.I. Pigment red 48:1

CAS Registry Number: 7585-41-3

Physical Description: Yellowish-red solid

References:

Colour Index, 3rd Edn., 1971, **4**, 4086, (*rev*)

Ger. Pat., 1984, 3 336 247; *CA*, **101**, 112421y, (*synth, Ca salt*)

Ger. Pat., 1990, 3 831 384; *CA*, **114**, 111874e, (*synth, Ca salt*)