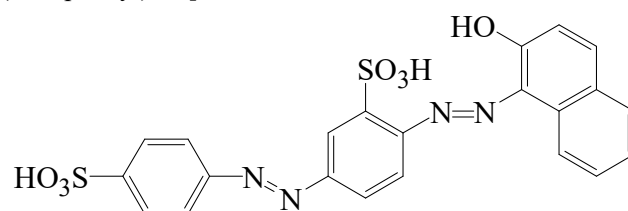




>>Entry Name: Biebrich Scarlet

Synonym(s): 2-[(2-Hydroxy-1-naphthalenyl)azo]-5-[4-(sulfophenyl)azo]benzenesulfonic acid, 9Cl. C.I. Acid Red 66. C.I. 14940



CAS Registry Number: 25317-38-8

Extra CAS Registry Numbers(s): 4196-99-0

Molecular Formula: $C_{22}H_{16}N_4O_7S_2$

Molecular Weight: 512.523

Accurate Mass: 512.046041

Percentage Composition: C 51.56%; H 3.15%; N 10.93%; O 21.85%; S 12.51%

General Statement: Strictly the trade names refer to the di-Na salt, which is the usual form

Use/Importance: Biological stain

Physical Description: Red needles (EtOH) (as di-Na salt)

Solubility: Di-Na salt sol. in H_2O ; mod. sol. EtOH

References:

Nietski, B., *Ber.*, 1880, **13**, 1838-1840, (*synth*)

Colour Index, 3rd edn., 1971, **4**, 4074, (*synth*)