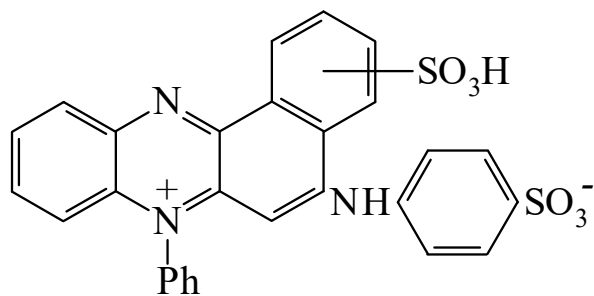




>>Entry Name: Azocarmine G

Synonym(s): 7-Phenylsulfo-5-[(4-sulfophenyl)amino]benzo[*a*]phenazinium hydroxide inner salt. Rosiniduline. C.I. Acid red 101. C.I. 50085



Molecular Formula: C₂₈H₁₉N₃O₆S₂

Molecular Weight: 557.607

Accurate Mass: 557.071527

Percentage Composition: C 60.31%; H 3.43%; N 7.54%; O 17.22%; S 11.50%

General Statement: Strictly the name Azocarmine G applies to the sodium salt

>>Derivative: Na salt

CAS Registry Number: 25641-18-3

Use/Importance: Used as a 0.1 % aq. soln. as indicator in bromatometric titrimetric detn. of As(*III*), Sb(*III*); redox indicator

Physical Description: Dark red cryst. powder

Solubility: Sl. sol. H₂O

Fluka: 11600

Sigma: A3933

References:

Colour Index, 3rd Ed., 1971, **4**, 4447, (*synth*)

Bishop, E., *Indicators*, Pergamon, Oxford, 1972

Venkateswara Rao, N. *et al.*, *Fresenius' Z. Anal. Chem.*, 1977, **285**, 125, (*use*)

Ramana, P.V. *et al.*, *J. Indian Chem. Soc.*, 1980, **57**, 235, (*use*)