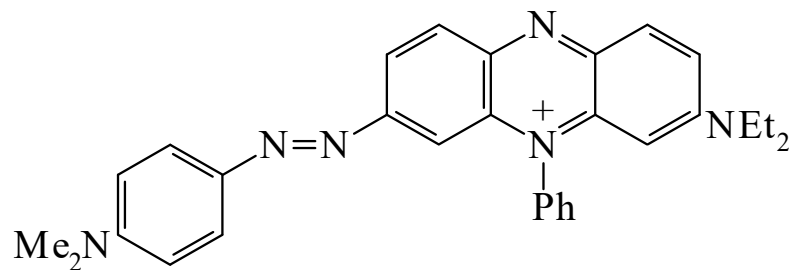




>>Entry Name: Janus green B

Synonym(s): 3-Diethylamino-7-[[4-(dimethylamino)phenyl]azo]-5-phenylphenazinium(1+). Diazin green S. Union green B



Molecular Formula: C₃₀H₃₁N₆⁽⁺⁾

Molecular Weight: 475.615

Accurate Mass: 475.261019

Percentage Composition: C 75.76%; H 6.57%; N 17.67%

>>Derivative: Chloride

Synonym(s): C.I. 11050 Basic dye

CAS Registry Number: 2869-83-2

Molecular Formula: C₃₀H₃₁ClN₆

Molecular Weight: 511.068

Accurate Mass: 510.229871

Percentage Composition: C 70.51%; H 6.11%; Cl 6.94%; N 16.44%

Use/Importance: Used for extraction-photometric detn. of Sb. Biological stain

Physical Description: Dark green cryst. powder

Other Data: λ_{max} 660 nm

Aldrich: 20167-7

Fluka: 56710

Rare Chemicals Library: S56749-3

Sigma: J2125

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, 2, 1006A, (ir)

Sigma-Aldrich Library of Stains, Dyes and Indicators, 411

Guseinov, I.K. *et al.*, *Azerb. Khim. Zh.*, 1982, 83, (detn, Sb)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials, 8th edn., Van Nostrand Reinhold, 1992, DHM500*