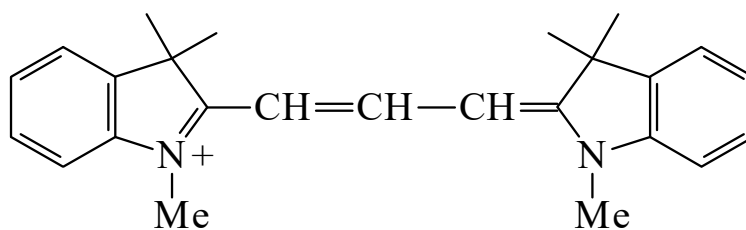




>>Entry Name: Astrafloxine G

Synonym(s): 2-[3-(1,3-Dihydro-1,3,3-trimethyl-2*H*-indol-2-ylidene)-1-propenyl]-1,3,3-trimethyl-3*H*-indolium(1+), 9Cl. C.I. Basic red 12. C.I. 48070. Aizen astraphloxine FF. Basic phloxine FF. Calcozine red BG. Cosmophloxine F



Molecular Formula: C₂₅H₂₉N₂⁽⁺⁾

Molecular Weight: 357.517

Accurate Mass: 357.233073

Percentage Composition: C 83.99%; H 8.18%; N 7.84%

General Statement: Basic dye. Strictly, the name Astrafloxine G applies to the chloride

>>Derivative: Chloride

CAS Registry Number: 6320-14-5

Molecular Formula: C₂₅H₂₉ClN₂

Molecular Weight: 392.97

Accurate Mass: 392.201925

Percentage Composition: C 76.41%; H 7.44%; Cl 9.02%; N 7.13%

Use/Importance: Used for extraction-photometric detn. of Re (ϵ 110000, C₆H₆), Ti(III)

Physical Description: Violet cryst. powder

Solubility: Sol. H₂O, EtOH, 2-ethoxyethanol; insol. C₆H₆, CCl₄

References:

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Borisova, I.A. *et al.*, *Khim. Khim. Tekhnol. (Minsk)*, 1973, 122; *CA*, **81**, 85607y

Constantinescu, C. *et al.*, *Rev. Chim. (Bucharest)*, 1982, **33**, 167; *CA*, **97**, 119680g