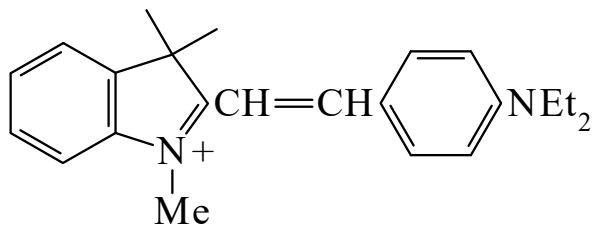




>>Entry Name: Astra violet 3R

Synonym(s): 2-[2-[4-(Diethylamino)phenyl]ethenyl]-1,3,3-trimethyl-3*H*-indolium(1+), 9Cl. C.I. Basic violet 16. Basacryl brilliant red BG. Fabracryl violet 3RA. Maxilon brilliant red 2B. Viocryl violet 3RBS. Intradene brilliant red 2B. Aizen cathilon-red 5BH. C.I. 48013. Many other names



Molecular Formula: $C_{23}H_{29}N_2^{(+)}$

Molecular Weight: 333.495

Accurate Mass: 333.233073

Percentage Composition: C 82.84%; H 8.76%; N 8.40%

General Statement: Strictly, the name Astra violet 3R applies to the chloride

>>Derivative: Chloride

CAS Registry Number: 6359-45-1

Molecular Formula: $C_{23}H_{29}ClN_2$

Molecular Weight: 368.948

Accurate Mass: 368.201925

Percentage Composition: C 74.88%; H 7.92%; Cl 9.61%; N 7.59%

Use/Importance: Used as 0.05% aq. soln. for photometric detn. of Au (forms ion-pair with the $Au(CN)_2^{(-)}$ complex)

Physical Description: Dark red-violet cryst. powder

Solubility: Sol. H_2O , EtOH, Me_2CO ; insol. C_6H_6 , CCl_4

References:

Armeanu, V.Y. *et al.*, *Anal. Chim. Acta*, 1969, **44**, 230, (*detn. Au*)

Colour Index, 3rd Edn, 1971, **4**, 4437, (*synth*)