

Product Data Sheet

Product Name: Leucocrystal violet

Cat. No.: GC33517

Chemical Properties

Cas. No. 603-48-5

SMILES CN(C)C1=CC=C(C(C2=CC=C(N(C)C)C=C2)C3=CC=C(N(C)C)C=C3)C=C1

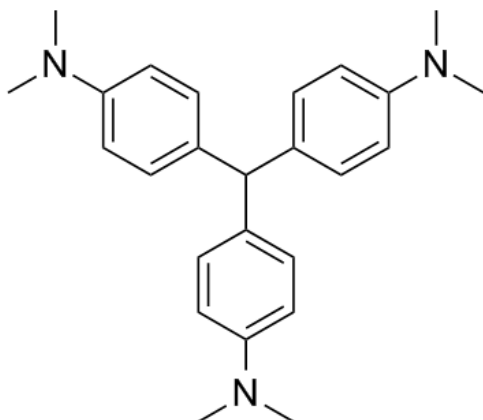
Formula $C_{25}H_{31}N_3$ M.Wt 373.53

Solubility Water : < 0.1 mg/mL (insoluble) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Leucocrystal violet is a triphenylmethane dye which can be used to detect antimony in environmental and biological samples using spectrophotometric techniques.

[1]. Wu J, et al. Biodegradation of leuco derivatives of triphenylmethane dyes by *Sphingomonas* sp. CM9. Biodegradation. 2011 Sep;22(5):897-904. [2]. Tiwari KK, et al. A simple and sensitive analytical method for the determination of antimony in environmental and biological samples. Anal Sci. 2006

Caution: Product has not been fully validated for medical applications. For research use only.

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Feb;22(2):259-62.

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