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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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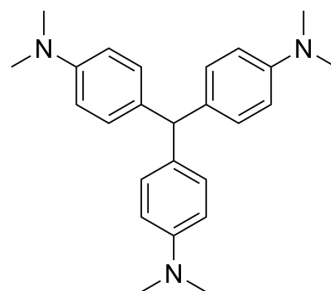
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Leucocrystal violet

Cat. No.:	HY-D0233
CAS No.:	603-48-5
Molecular Formula:	C ₂₅ H ₃₁ N ₃
Molecular Weight:	373.53
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 12.5 mg/mL (33.46 mM; Need ultrasonic) H ₂ O : < 0.1 mg/mL (insoluble)				
	Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
		1 mM	2.6772 mL	13.3858 mL	26.7716 mL
		5 mM	0.5354 mL	2.6772 mL	5.3543 mL
		10 mM	0.2677 mL	1.3386 mL	2.6772 mL
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1.25 mg/mL (3.35 mM); Suspended solution; Need ultrasonic				

BIOLOGICAL ACTIVITY

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

- [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 Feb;22(2):259-62.

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

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