



# SZABO SCANDIC

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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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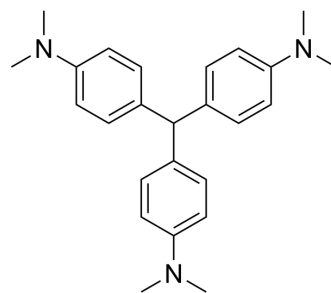
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## Leucocrystal violet

<b>Cat. No.:</b>	HY-D0233
<b>CAS No.:</b>	603-48-5
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>31</sub> N <sub>3</sub>
<b>Molecular Weight:</b>	374
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 12.5 mg/mL (33.42 mM; Need ultrasonic)					
	H <sub>2</sub> O : < 0.1 mg/mL (insoluble)					
	<b>Preparing Stock Solutions</b>	<b>Solvent</b>	<b>Mass</b>	<b>1 mg</b>	<b>5 mg</b>	<b>10 mg</b>
		<b>Concentration</b>				
		<b>1 mM</b>		2.6738 mL	13.3690 mL	26.7380 mL
<b>5 mM</b>			0.5348 mL	2.6738 mL	5.3476 mL	
	<b>10 mM</b>		0.2674 mL	1.3369 mL	2.6738 mL	
Please refer to the solubility information to select the appropriate solvent.						
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: 1.25 mg/mL (3.34 mM); Suspended solution; Need ultrasonic					

### BIOLOGICAL ACTIVITY

<b>Description</b>	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.

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

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