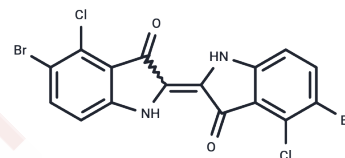


Vat Blue 2

Chemical Properties

CAS No. :	29245-44-1
Formula:	C ₁₆ H ₆ Br ₂ Cl ₂ N ₂ O ₂
Molecular Weight:	488.94
Storage:	Keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Vat Blue 2, a indigo derivative, is a dark blue 5,5'-dibromo-4,4'-dichloroindigo dye.
Targets(IC50)	Others
In vitro	Indigo serves as the foundational compound for a variety of dyestuffs that are modified by substituting bromine and chlorine. Specifically, Vat Blue 2, a derivative of Indigo, features four substituents, comprising two chlorine and two bromine atoms, which are positioned differently[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0452 mL	10.2262 mL	20.4524 mL
5 mM	0.409 mL	2.0452 mL	4.0905 mL
10 mM	0.2045 mL	1.0226 mL	2.0452 mL
50 mM	0.0409 mL	0.2045 mL	0.409 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Judy D. Timpa, et al. The Flammability of Cotton Fabrics Dyed with Indigo Dyes.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481