

CI 21100

Chemical Properties

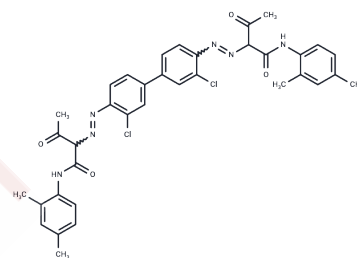
CAS No. : 5102-83-0

Formula: C₃₆H₃₄Cl₂N₆O₄

Molecular Weight: 685.6

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	CI 21100 A kind of organic pigment, yellow powder. Heating at 150 °C for 20min slightly green. In concentrated sulfuric acid for the red light color, diluted brown light red; in concentrated nitric acid for the brown light yellow. Mainly used for coloring rubber, plastic products, etc., also used in ink and paint industry.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4586 mL	7.2929 mL	14.5858 mL
5 mM	0.2917 mL	1.4586 mL	2.9172 mL
10 mM	0.1459 mL	0.7293 mL	1.4586 mL
50 mM	0.0292 mL	0.1459 mL	0.2917 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

Costanzo S, De Curtis A, Di Castelnuovo A, Persichillo M, Bonaccio M, Pounis G, Cerletti C, Donati MB, de Gaetano G, Iacoviello L; Moli-sani Study Investigators. Serum vitamin D deficiency and risk of hospitalization for heart failure: Prospective results from the Moli-sani study. *Nutr Metab Cardiovasc Dis*. 2018 Mar;28(3):298-307. doi: 10.1016/j.numecd.2017.11.008. Epub 2017 Dec 7. PubMed PMID: 29331539.

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