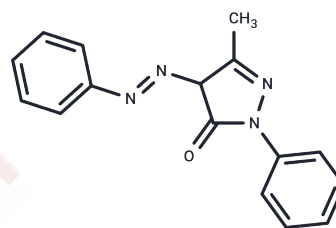


Solvent Yellow 16

Chemical Properties

CAS No. :	4314-14-1
Formula:	C ₁₆ H ₁₄ N ₄ O
Molecular Weight:	278.31
Appearance:	no data available
Storage:	keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Solvent Yellow 16, a disperse dye, is a coloring agent in cosmetics.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 10 mg/mL (35.93 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5931 mL	17.9656 mL	35.9312 mL
5 mM	0.7186 mL	3.5931 mL	7.1862 mL
10 mM	0.3593 mL	1.7966 mL	3.5931 mL
50 mM	0.0719 mL	0.3593 mL	0.7186 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.

Reference

Kazuhiro Tamura, et al. Binary and ternary solubilities of disperse dyes and their
Chen M, et al. Comprehensive screening of 63 coloring agents in cosmetics using matrix solid-phase dispersion and ultra-high-performance liquid chromatography coupled with quadrupole-Orbitrap high-resolution mass spectrometry. J Chromatogr A. 2019 Apr 12;1590:27-38.

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