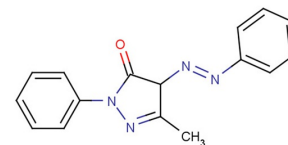


Solvent Yellow 16

Chemical Properties

CAS No.:	4314-14-1
Formula:	C ₁₆ H ₁₄ N ₄ O
Molecular Weight:	278.31
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Solvent Yellow 16, a disperse dye, is a coloring agent in cosmetics.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	DMSO: 10.42 mg/mL (37.44 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	---

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.593 mL	17.966 mL	35.931 mL
5 mM	0.719 mL	3.593 mL	7.186 mL
10 mM	0.359 mL	1.797 mL	3.593 mL
50 mM	0.072 mL	0.359 mL	0.719 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kazuhiro Tamura, et al. Binary and ternary solubilities of disperse dyes and their
2. 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.

Inhibitors · Natural Compounds · Compound Libraries

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use.

Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481