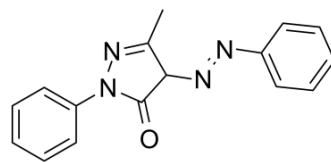


Solvent Yellow 16

Cat. No.:	HY-D0370		
CAS No.:	4314-14-1		
Molecular Formula:	C ₁₆ H ₁₄ N ₄ O		
Molecular Weight:	278.31		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro	DMSO : 10.42 mg/mL (37.44 mM; Need ultrasonic)			
		Solvent	Mass	
		Concentration	1 mg	5 mg
	Preparing Stock Solutions		10 mg	
	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
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.04 mg/mL (3.74 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Solvent Yellow 16 is a disperse dye. Solvent Yellow 16 is also a coloring agent in cosmetics ^{[1][2]} .
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REFERENCES

[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.

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

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