

Product Data Sheet

Product Name: Solvent Yellow 16

Cat. No.: GC39444

Chemical Properties

Cas. No. 4314-14-1

SMILES O=C1N(C2=CC=CC=C2)N=C(C)C1/N=N/C3=CC=CC=C3

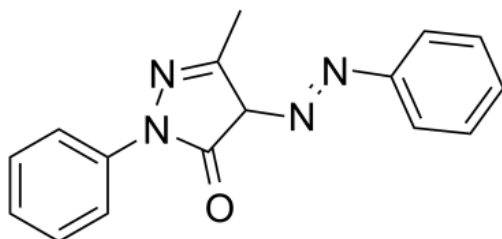
Formula $C_{16}H_{14}N_4O$ M.Wt 278.31

Solubility DMSO: 10.42 mg/mL (37.44 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

Solvent Yellow 16 is a disperse dye. Solvent Yellow 16 is also a coloring agent in cosmetics[1][2].

[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.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA