
Product Data Sheet

Product Name: PEG400
Cat. No.: GC34203

Chemical Properties

Cas. No. 25322-68-3

SMILES [PEG400]

Formula $(C_2H_4O)_nH_2O$

M.Wt

Solubility DMSO : 100 mg/mL ; Water : 100 mg/mL

Storage Store at RT

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

Protocol**Animal experiment:**

Rats[1] Fischer-344 rats (10/group/sex) are administered polyethylene glycol 400 (PEG400) by gavage at 1.0, 2.5 or 5.0 mL/kg (1. l, 2.8 and 5.6 g/kg, respectively) body weight/day 5 days/wk for 13 wk. Animals in the control group receive water by gavage (5.0 mL/kg body weight/treatment day). An additional 10 rats/sex/group are assigned to the control and high-dose groups for a 6-wk recovery period. Evaluation of potential renal toxicity is identified as a primary objective[1].

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

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References:

[1]. Hermansky S], et al. Effects of polyethylene glycol 400 (PEG 400) following 13 weeks of gavage treatment in Fischer-344 rats. Food Chem Toxicol. 1995 Feb;33(2):139-49.

Background

PEG400b (Polyethylene glycol 400) is a commonly used co-solvent used in a variety of pharmaceutical formulations.

PEG400b (聚乙二醇400) 是一种常用的共溶剂

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