

Product Data Sheet

Product Name: Gefarnate

Cat. No.: GC31764

Chemical Properties

Cas. No. 51-77-4

SMILES C/C(C)=C\CC/C(C)=C/CC/C(C)=C/CCC(OC/C=C(C)/CC/C=C(C)/C)=O

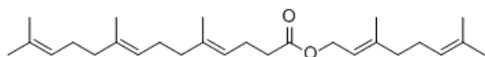
Formula $C_{27}H_{44}O_2$ M.Wt 400.64

Solubility DMSO : ≥ 100 mg/mL (249.60 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

Gefarnate is a drug used for the treatment of gastritis and gastric ulcer, and has been proposed for use in the treatment of dry eye syndrome.

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

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Gefarnate (0.001, 0.01, or 0.1 mg/mL) increases mucin-like glycoprotein secretion in a dose-dependent fashion, but the difference from the control is significant only at the concentration of 0.1 mg/mL. Gefarnate specifically stimulates the mucin-like glycoprotein secretion[1].

[1]. Nakamura M, et al. Gefarnate stimulates secretion of mucin-like glycoproteins by corneal epithelium in vitro and protects corneal epithelium from desiccation in vivo. Exp Eye Res. 1997 Oct;65(4):569-74.

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