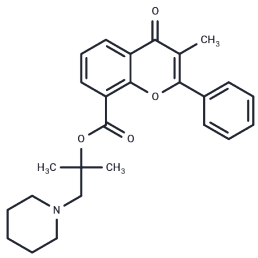
Data Sheet (Cat.No.T67964)

TargetMol

Terflavoxate

Chemical Properties



CAS No. : 86433-40-1

Formula: C26H29NO4

Molecular Weight: 419.51

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	Terflavoxate is a novel, orally active, semisynthetic statin microtubule inhibitor commonly used in combination with capecitabine. Terflavoxate is used in cancer research.
Targets(IC50)	Calcium Channel,Microtubule Associated
In vitro	Terflavoxate showed affinity for bladder (and brain) muscarinic receptors at micromolar level. Terflavoxate could inhibiting the two components of K(+)-induced contractions. Present results suggest that Ca(++)-antagonistic effects are mainly responsible for terflavoxate smooth muscle relaxant properties.[1]

Solubility Information

Solubility	DMSO: 4.2 mg/mL (10.01 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3837 mL	11.9187 mL	23.8373 mL
5 mM	0.4767 mL	2.3837 mL	4.7675 mL
10 mM	0.2384 mL	1.1919 mL	2.3837 mL
50 mM	0.0477 mL	0.2384 mL	0.4767 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Testa R, et al. Effects of terflavoxate on stimulated contractions of urinary bladder in vitro. Arzneimittelforschung. 1993 ; 43(2):122-128.

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