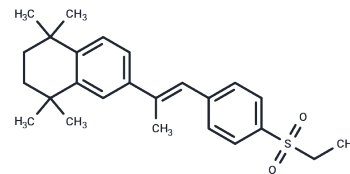


Etarotene

Chemical Properties

CAS No. : 87719-32-2
 Formula: C₂₅H₃₂O₂S
 Molecular Weight: 396.59
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Etarotene (Arotinoid ethyl sulphone) is an ethylsulfonyl derivative of aloe acid with differentiation-inducing and potentially antitumor activity. Etarotene is a collagenase inhibitor and can be used to study psoriasis.
Targets(IC ₅₀)	Tyrosinase
In vivo	Ro 15-1570 (6 mg/kg; oral; 1 and 2 weeks; rats) show weight loss, alopecia, erythema, desquamation of the skin, and alterations of the skeletal system. The present demonstration that the arotinoid ethyl sulfone Ro 15-1570 was devoid of bone toxicity constitutes major progress in the pharmacologic development of retinoids with a better balance between therapeutic and adverse effects.[5]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5215 mL	12.6075 mL	25.215 mL
5 mM	0.5043 mL	2.5215 mL	5.043 mL
10 mM	0.2521 mL	1.2607 mL	2.5215 mL
50 mM	0.0504 mL	0.2521 mL	0.5043 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.

Reference

Zheng ZS, et al. Regulation of the induction of ornithine decarboxylase in keratinocytes by retinoids. *Biochem J.* 1995 Jul 1;309 (Pt 1):159-65.

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