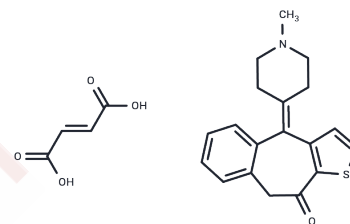


Ketotifen fumarate

Chemical Properties

CAS No. :	34580-14-8
Formula:	C ₂₃ H ₂₃ NO ₅ S
Molecular Weight:	425.5
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Ketotifen fumarate (HC 20511 fumarate) is a cycloheptathiophene blocker of histamine H1 receptors and release of inflammatory mediators.
Targets(IC50)	Histamine Receptor,PDE

Solubility Information

Solubility	Ethanol: < 1 mg/mL (insoluble or slightly soluble), DMSO: 55 mg/mL (129.26 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3502 mL	11.7509 mL	23.5018 mL
5 mM	0.470 mL	2.3502 mL	4.7004 mL
10 mM	0.235 mL	1.1751 mL	2.3502 mL
50 mM	0.047 mL	0.235 mL	0.470 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

Mita H, Shida T. Arzneimittelforschung. 1995 Jan;45(1):36-40.

Wang B, Li X, Li M, et al. Dopamine D3 receptor signaling alleviates mouse rheumatoid arthritis by promoting Toll-like receptor 4 degradation in mast cells. Cell Death & Disease. 2022, 13(3): 1-11.

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