

YM 534

Chemical Properties

CAS No. : 95923-66-3

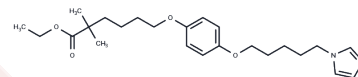
Formula: C₂₄H₃₆N₂O₄

Molecular Weight: 416.55

Keep away from direct sunlight

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	YM 534 has antitumor activity and platelet aggregation activity, inhibits photoaffinity labeling of deglycosylated P-glycoprotein, and can be used to study leukemia.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4007 mL	12.0034 mL	24.0067 mL
5 mM	0.4801 mL	2.4007 mL	4.8013 mL
10 mM	0.2401 mL	1.2003 mL	2.4007 mL
50 mM	0.048 mL	0.2401 mL	0.4801 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

Kanamaru R, et al. Mechanism of action of the synthetic imidazole compound YM 534 on human promyelocytic leukemia line HL-60 cells. *Anticancer Drug Des.* 1989 Aug;4(2):137-44.

Kanamaru R, et al. [DNA damage and anticancer effect]. *Gan To Kagaku Ryoho.* 1990 Mar;17(3 Pt 2):517-23. Japanese.

Kanamaru R, et al. Damage to DNA strand and the effects of anticancer drugs. *Sci Rep Res Inst Tohoku Univ Med.* 1989 Dec;36(1-4):29-36.

Sato S, et al. Potentiation of vincristine and actinomycin D by a new synthetic imidazole anti-tumor agent YM534 active against human cancer cells and multidrug-resistant cells. *Anticancer Drug Des.* 1989 Aug;4(2):125-35.

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