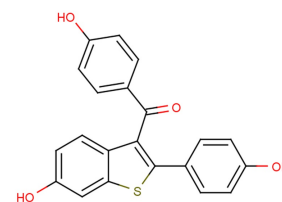


LY88074

Chemical Properties

CAS No.:	177744-96-6
Formula:	C ₂₁ H ₁₄ O ₄ S
Molecular Weight:	362.4
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Raloxifene is a selective estrogen receptor modulator, and reduces fracture risk at least in part by improving the mechanical properties of bone in a cell- and estrogen receptor-independent manner. LY88074 is a Raloxifene analog lacking the basic side chain.
Targets(IC ₅₀)	Others: None
In vitro	The interaction of LY88074 with collagen matrix, although significant, is less than the interaction found with Raloxifene. Removal of the aminoethylpiperidine moiety, as in LY88074, reduces bone binding, compared to Raloxifene.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.759 mL	13.797 mL	27.594 mL
5 mM	0.552 mL	2.759 mL	5.519 mL
10 mM	0.276 mL	1.38 mL	2.759 mL
50 mM	0.055 mL	0.276 mL	0.552 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Bivi N, et al. Structural features underlying raloxifene's biophysical interaction with bone matrix. Bioorg Med Chem. 2016 Feb 15;24(4):759-67.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481