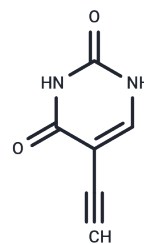


Eniluracil

Chemical Properties

CAS No. :	59989-18-3
Formula:	C ₆ H ₄ N ₂ O ₂
Molecular Weight:	136.11
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	Eniluracil (GW776C85) is an orally active dihydropyrimidine dehydrogenase (DPD) inhibitor, increases the oral bioavailability of 5-FU to 100%, facilitating uniform absorption and predictable toxicity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 62.5 mg/mL (459.19 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (14.69 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.347 mL	36.735 mL	73.470 mL
5 mM	1.4694 mL	7.347 mL	14.694 mL
10 mM	0.7347 mL	3.6735 mL	7.347 mL
50 mM	0.1469 mL	0.7347 mL	1.4694 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

Kindler H L , Schilsky R L . Eniluracil: an irreversible inhibitor of dihydropyrimidine dehydrogenase[J]. Expert Opinion on Investigational Drugs, 2000, 9(7):1635-1649.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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