

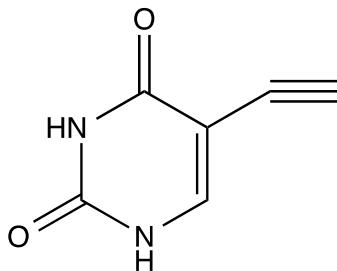
Catalog #10-4600

Eniluracil

CAS# 59989-18-3

5-Ethynyluracil, GW776C85

Lot # FBA3109



Eniluracil is an irreversible dihydropyrimidine dehydrogenase (DPD) inhibitor.^{1,2,3} DPD is involved in the degradation of pyrimidine-based chemotherapeutic drugs such as 5-fluorouracil (5-FU). Eniluracil has been used along with 5-FU to prolong circulating concentrations of the drug.

- 1) Porter *et al.* (1992), *Mechanism-based Inactivation of Dihydropyrimidine Dehydrogenase by 5-Ethynyluracil*; J.Biol.Chem. **267** 5236
- 2) Baccalnari *et al.* (1993), *5-Ethynyluracil (776C85): a potent modulator of the pharmacokinetics and antitumor efficacy of 5-fluorouracil*; Proc.Natl.Acad.Sci.USA **90** 11064
- 3) Schilsky and Kindler (2000) *Eniluracil: an irreversible inhibitor of dihydropyrimidine dehydrogenase*; Expert Opin.Investig.Drugs **9** 1635

PHYSICAL DATA

Molecular Weight:	136.11
Molecular Formula:	C ₆ H ₄ N ₂ O ₂
Purity:	>97% (HPLC)
	NMR: (Conforms)
Solubility:	DMSO
Physical Description:	Yellow solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 3 months.

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Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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