(D-Trp6)-LHRH free acid

Cat. No.: HY-P4572

CAS No.: 129418-54-8

Molecular Formula: $C_{64}H_{81}N_{17}O_{14}$

Molecular Weight: 1312.43

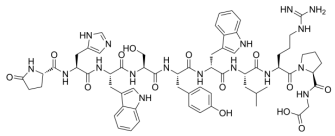
Sequence: {Pyr}-His-Trp-Ser-Tyr-{d-Trp}-Leu-Arg-Pro-Gly

Sequence Shortening: {Pyr}-HWSY-{d-Trp}-LRPG

Target: GnRH Receptor

Pathway: GPCR/G Protein

Storage: Sealed storage, away from moisture and light
Powder -80°C 2 years
-20°C 1 year
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (76.19 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	0.7619 mL	3.8097 mL	7.6195 mL
	5 mM	0.1524 mL	0.7619 mL	1.5239 mL
	10 mM	0.0762 mL	0.3810 mL	0.7619 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(D-Trp6)-LHRH free acid is a luteinizing hormone-releasing hormone (LHRH) agonist[1].

In Vitro

(D-Trp6)-LHRH (10 μM; 24 h or 6 days) free acid reduces the proliferation of human epithelial ovarian cancer cell lines EFO-21 and EFO-27[1].
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Emons G, et al. High affinity binding and direct antiproliferative effects of LHRH analogues in human ovarian cancer cell lines. Cancer Res. 1993 Nov 15;53(22):5439-46.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA