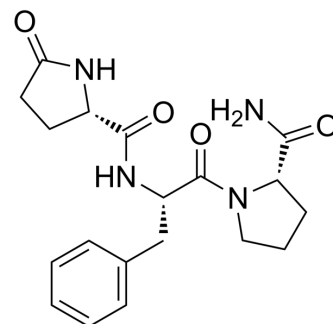


[Phe2]-TRH

Cat. No.:	HY-P3962
CAS No.:	34783-35-2
Molecular Formula:	C ₁₉ H ₂₄ N ₄ O ₄
Molecular Weight:	372.42
Sequence Shortening:	Glp-FP-NH2
Target:	Thyroid Hormone Receptor
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	[Phe2]-TRH is a thyrotropin releasing hormone analogue, equipping a conformational similarity with Leu5-enkephalin ^[1] .
In Vitro	[Phe2]-TRH has a lower affinity for the TRH receptor than TRH itself, and the substitution of azPro for Pro in the [Phe2, azPro3]-TRH analogue causes an approximately 200-fold further loss in affinity ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Eckle E, et al. Conformational properties of central nervous system active thyrotropin releasing hormone analogues: probing structure-activity relationships at the molecular level. *J Med Chem.* 1985 Jan;28(1):125-37.
- [2]. Zhang WJ, et al. Impact of azaproline on amide cis-trans isomerism: conformational analyses and NMR studies of model peptides including TRH analogues. *J Am Chem Soc.* 2003 Feb 5;125(5):1221-35.

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