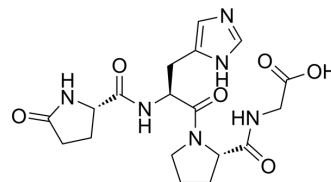


Trh-gly

Cat. No.:	HY-W345393
CAS No.:	85344-77-0
Molecular Formula:	C ₁₈ H ₂₄ N ₆ O ₆
Molecular Weight:	420.42
Sequence Shortening:	Glp-HPG
Target:	Thyroid Hormone Receptor
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Trh-gly (TRH-glycine) is a precursor of thyrotropin (TSH)-releasing hormone (TRH) that can release thyrotropin and prolactin [1].
In Vitro	<p>Caution: Product has not been fully validated for medical applications. For research use only.</p> <p>In GH3 cells expressing endogenous TRH-R, Trh-gly evokes an immediate rise of intracellular calcium concentration, indicating that Trh-gly reacted directly without converting from Trh-gly to TRH.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>
In Vivo	<p>In urethane-anesthetized 2-month-old (250 g) male Sprague-Dawley rats, Trh-gly (intracisternal injection; 1.0 mg) leads to a significant increase in the TRH levels in hypothalamus, medulla and blood [1].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

REFERENCES

[1]. A E Pekary, et al. Release of thyrotropin and prolactin by a thyrotropin-releasing hormone (TRH) precursor, TRH-Gly: conversion to TRH is sufficient for in vivo effects. Neuroendocrinology. 1990 Dec;52(6):618-25.

[2]. M Yamada, et al. Activation of the thyrotropin-releasing hormone (TRH) receptor by a direct precursor of TRH, TRH-Gly. Neurosci Lett. 1995 Aug 18;196(1-2):109-12.