

Rev03
Update: Feb,10,2022

DATASHEET

Thyrotropin-Releasing Hormone (TRH)

Cat. No.: RP10112

Overview

Synonyms	L-Pyroglutamyl-L-histidyl-L-prolinamideThyroliberin
Description	Thyrotropin-releasing hormone (TRH) is a tripeptide hormone secreted by the hypothalamus that stimulates the release of thyrotropin. This tripeptide is involved in the regulation of the hypothalamic pituitary-thyroid axis; it stimulates the synthesis and release from the anterior pituitary of thyrotropin (TSH) and prolactin.
Cas No	24305-27-9
Sequence	{pGLU}{HIS}{PRO}-NH ₂
Sequence Shortening	pEHP-NH ₂
Molecular Formula	C ₁₆ H ₂₂ N ₆ O ₄
C Terminal	NH ₂
Molecular Weight	362.38

Properties

Purity	> 95%
Solubility	The peptide is soluble in water to 10 mg/ml, appearing clear and colorless.
Form	Lyophilized
Storage	Store the peptide at -20°C. Keep container tightly closed.
Note	TRH and phorbol esters stimulate sphingomyelin synthesis in GH ₃ pituitary cells.

Examples

