Thyrotropin-releasing Hormone

**Product Information**

- **Product ID**: T3101
- **CAS No.**: 24769-58-2
- **Chemical Name**: TRH, Thyrotropin-releasing factor, TRF, Protirelin, Thyroliberin

**Formula**

- **Formula**: C_{16}H_{22}N_{6}O_{4}
- **Formula Wt.**: 362.4

**Melting Point**

- **Purity**: ≥95%
- **Solubility**: Soluble in DMSO.

**Store Temp**: -20°C

**Ship Temp**: Ambient

**Description**: Thyrotropin-releasing hormone (TRH) is an endogenous tripeptide that acts as a neurotransmitter and neurohormone. TRH regulates hypothalamic-pituitary-adrenal (HPA) and estrogenic signaling pathways. TRH exhibits immunomodulatory and neuroprotective activities. TRH prevents oxidative stress, caspase-mediated apoptosis, glutamate toxicity, and neuroinflammation. Additionally, TRH stimulates epidermal regeneration in ex vivo models, increasing wound healing. TRH activates the TRH receptor.

**References**


**Caution**: This product is intended for laboratory and research use only. It is not for human or drug use.