



SZABO SCANDIC

Part of Europa Biosite

Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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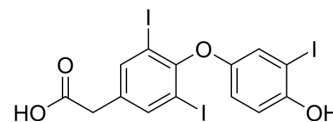
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Tiratricol (Standard)

Cat. No.:	HY-B1201R
CAS No.:	51-24-1
Molecular Formula:	C ₁₄ H ₉ I ₃ O ₄
Molecular Weight:	621.93
Target:	Flavivirus; Thyroid Hormone Receptor; TNF Receptor
Pathway:	Anti-infection; Vitamin D Related/Nuclear Receptor; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Tiratricol (Standard) is the analytical standard of Tiratricol. This product is intended for research and analytical applications. Tiratricol is an orally available thyroid hormone analog that inhibits pituitary thyroid-stimulating hormone secretion. Tiratricol is an intracellular toxin neutralizer that inhibits LPS and lipid A cytotoxicity with IC₅₀s of 20 μM and 32 μM, respectively. Tiratricol reduces TNF production in lipopolysaccharide-stimulated macrophages. Tiratricol also has antiviral activity and is an inhibitor of yellow fever virus (Flavivirus). It can bind to the RdRp domain of the viral NS5 protein to hinder YFV replication.^[2]

REFERENCES

- [1]. Ren H, et al. Tiratricol inhibits yellow fever virus replication through targeting viral RNA-dependent RNA polymerase of NS5. *Antiviral Res.* 2023 Nov;219:105737.
- [2]. Cascales L, et al. Tiratricol neutralizes bacterial endotoxins and reduces lipopolysaccharide-induced TNF-alpha production in the cell. *Chem Biol Drug Des.* 2008 Oct;72(4):320-8.

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

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