## **Product** Data Sheet

## **Tirotundin**

Cat. No.:HY-N1147CAS No.:56377-67-4Molecular Formula: $C_{19}H_{28}O_6$ Molecular Weight:352.42Target:Others

Target: Others
Pathway: Others

**Storage:** Please store the product under the recommended conditions in the Certificate of

Analysis.

## **BIOLOGICAL ACTIVITY**

Description	Tirotundin (Tagitinin D) is a potent anti-inflammatory agent. Tirotundin inhibits the activation of NF-K $\beta^{[1]}$ .
In Vitro	Tirotundin (compound 3) (5, 10, 20, 50 $\mu$ M; 1 h; subsequently stimulated with TNF-a for one hour) completely inhibited activation of NF-K $\beta$ at a concentration of 50 $\mu$ M $^{[1]}$ .  MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## **REFERENCES**

[1]. Rüngeler P, et al. Study of three sesquiterpene lactones from Tithonia diversifolia on their anti-inflammatory activity using the transcription factor NF-kappa B and enzymes of the arachidonic acid pathway as targets. Planta Med. 1998 Oct;64(7):588-93.

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

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