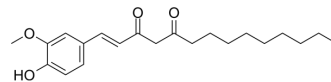


1-Dehydro-[10]-gingerdione

Cat. No.:	HY-N10768
CAS No.:	136826-50-1
Molecular Formula:	C ₂₁ H ₃₀ O ₄
Molecular Weight:	346.46
Target:	IKK; NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

1-Dehydro-[10]-gingerdione directly inhibits IKKβ activity by targeting the activation loop of IKKβ, thus disrupting IKKβ-catalysed IκBα phosphorylation in macrophages stimulated with agonists. 1-Dehydro-[10]-gingerdione inhibits LPS (HY-D1056)-induced NF-κB transcriptional activity. 1-Dehydro-[10]-gingerdione has the potential for NF-κB-associated inflammation and autoimmune disorders research^[1].

REFERENCES

[1]. Hwa Young Lee, et al. 1-Dehydro-[10]-gingerdione from ginger inhibits IKKβ activity for NF-κB activation and suppresses NF-κB-regulated expression of inflammatory genes. *Br J Pharmacol.* 2012 Sep;167(1):128-40.

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

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