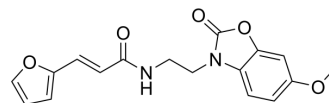


## Anti-inflammatory agent 54

Cat. No.:	HY-155820
CAS No.:	2924156-46-5
Molecular Formula:	C <sub>17</sub> H <sub>16</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	328.32
Target:	NF-κB; NO Synthase; TNF Receptor; Interleukin Related
Pathway:	NF-κB; Immunology/Inflammation; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Anti-inflammatory agent 54 (compound 9c) is a derivative of Coixol and has anti-inflammatory activity. Anti-inflammatory agent 54 inhibits the NF-κB pathway and downregulates the expression of iNOS, TNF-α, IL-6 and IL-1β. Anti-inflammatory agent 54 inhibits LPS-induced nitric oxide (NO) production in RAW264.7 macrophages (IC<sub>50</sub>: 2.4 μM) and exerts in vivo anti-inflammatory activity in a mouse auricular edema model<sup>[1]</sup>.

### REFERENCES

[1]. Cui E, et al. Discovery of Coixol Derivatives as Potent Anti-inflammatory Agents. *J Nat Prod.* 2023 Aug 25;86(8):1950-1959.

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

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