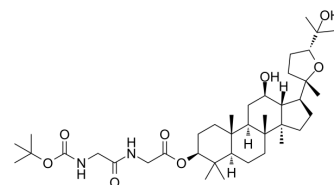


## Anti-inflammatory agent 20

Cat. No.:	HY-146419
CAS No.:	2127403-65-8
Molecular Formula:	C <sub>39</sub> H <sub>66</sub> N <sub>2</sub> O <sub>8</sub>
Molecular Weight:	690.95
Target:	NF-κB; COX; TNF Receptor
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 20 (compound 5a) is a potent inhibitor of NO activity. Anti-inflammatory agent 20 shows anti-inflammatory activity. Anti-inflammatory agent 20 suppresses LPS-induced inflammation via inhibiting the activation of NF-κB and MAPK signaling and thereby reducing IL-6, TNF-α, iNOS, and COX-2 upregulation<sup>[1]</sup>.

#### IC<sub>50</sub> & Target

NF-κB

COX-2

TNF-α

### REFERENCES

[1]. Yang G, et al. Design, synthesis and anti-inflammatory activity of 3-amino acid derivatives of ocotillol-type sapogenins. Eur J Med Chem. 2020 Sep 15;202:112507.

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

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