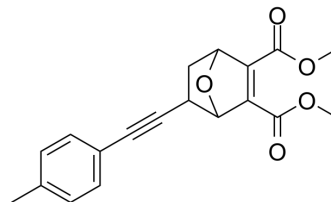


## NF-κB-IN-11

Cat. No.:	HY-155998
CAS No.:	2768833-35-6
Molecular Formula:	C <sub>19</sub> H <sub>18</sub> O <sub>5</sub>
Molecular Weight:	326.34
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

NF-κB-IN-11 (Compound 3i) is a NF-κB inhibitor. NF-κB-IN-11 inhibits TNF-α induced activation of NF-κB pathway, and inhibits nuclear translocation of NF-κB. NF-κB-IN-11 down-regulates the expression levels of phosphor-IKK, IκBα, and NF-κB p65. NF-κB-IN-11 has anti-inflammatory activity, and alleviates dextran sulfate sodium-induced colitis in mice. NF-κB-IN-11 (p.o.) shows a MTD more than 1852 mg/kg in mice acute toxicity assay<sup>[1]</sup>.

### REFERENCES

[1]. Wu Y, et al. Cantharidin analogue alleviates dextran sulfate sodium-induced colitis in mice by inhibiting the activation of NF-κB signaling. *Eur J Med Chem.* 2023 Nov 15;260:115731.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA