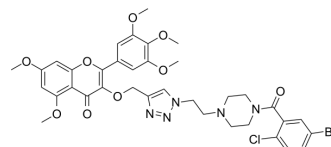


## 8A8

Cat. No.:	HY-115927
CAS No.:	2766594-12-9
Molecular Formula:	C <sub>36</sub> H <sub>37</sub> BrClN <sub>5</sub> O <sub>9</sub>
Molecular Weight:	799.06
Target:	NO Synthase
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	8A8 is a potent proinflammatory factor NO inhibitor with an IC <sub>50</sub> of 4.7 μM. 8A8 also significantly inhibits LPS-induced HaCat cell proliferation <sup>[1]</sup> .
<b>In Vitro</b>	Low concentrations of compound 8A8 (2.5 μM; RAW 264.7 cells) could significantly down-regulate IL-6 and TNF-α in cellular emotional intelligence, IL-6 and TNF-α are only half of those after LPS treatment at 5 μM, and IL-6 and TNF-α in cell supernatants were only a quarter of those after LPS treatment after high concentration compound 8A8 (10 μM) <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Zhang F, et al. Design and synthesis of the 4H-chromenone derivatives against psoriasis [published online ahead of print, 2022 Jan 25]. *Bioorg Chem.* 2022;120:105640.

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

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