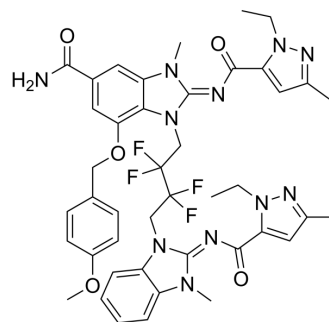


## STING modulator-5

<b>Cat. No.:</b>	HY-148643
<b>CAS No.:</b>	2305940-22-9
<b>Molecular Formula:</b>	C <sub>43</sub> H <sub>45</sub> F <sub>4</sub> N <sub>11</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	871.88
<b>Target:</b>	STING
<b>Pathway:</b>	Immunology/Inflammation
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	STING modulator-5 (compound 38) is a STING modulator with a pIC <sub>50</sub> value of 9.5. STING modulator-5 antagonizes peripheral blood mononuclear cells (PBMC) with a pIC <sub>50</sub> value of 8.1. STING modulator-5 is an antagonist of THP-1 cells, it can be used for immunological disease research <sup>[1]</sup> .
<b>In Vitro</b>	STING modulator-5 (4 hours) shows antagonistic effects to peripheral blood mononuclear cells (PBMC) with a pIC <sub>50</sub> value of 8.1 <sup>[1]</sup> . STING modulator-5 shows the binding potency to C-terminal domain (CTD) of human STING with a pIC <sub>50</sub> value of 9.5 by the FRET Assay <sup>[1]</sup> . STING modulator-5 antagonizes THP-1 cells with a pIC <sub>50</sub> value of 8.9 <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Fosbenner, David T, et al. Modulators of stimulator of interferon genes. WO 2019/069270 A1. 2022.

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

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