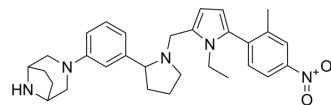


## XY-52

Cat. No.:	HY-155193
Molecular Formula:	C <sub>30</sub> H <sub>37</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	499.65
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

XY-52 (Compound 32) is a Stimulation-2 (ST2) inhibitor, with an IC<sub>50</sub> value of 5.68 μM in AlphaLISA assay, and 4.59 μM in HEK-Blue assay. XY-52 increases proinflammatory T-cell proliferation. XY-52 reduces the plasma sST2 and IFNγ biomarkers in the graft versus host disease (GVHD) mice model<sup>[1]</sup>.

## REFERENCES

[1]. Yuan X, et al. Prophylactic Mitigation of Acute Graft versus Host Disease by Novel 2-(Pyrrolidin-1-ylmethyl)pyrrole-Based Stimulation-2 (ST2) Inhibitors. ACS Pharmacol Transl Sci. 2023 Aug 16;6(9):1275-1287.

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

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