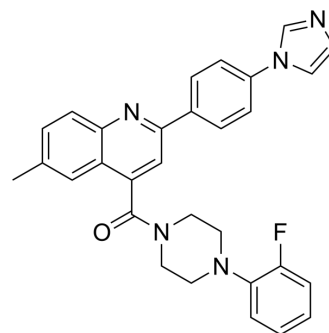


## SIRT-IN-5

Cat. No.:	HY-169051
Molecular Formula:	C <sub>30</sub> H <sub>26</sub> FN <sub>5</sub> O
Molecular Weight:	491.56
Target:	Sirtuin
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

SIRT-IN-5 is a SIRT3 inhibitor, with an IC<sub>50</sub> value of 2.88 μM. SIRT-IN-5 can promote the differentiation of multiple myeloma cells, along with an increase in the expression of the differentiation antigen CD49e and human immunoglobulin light chains λ and κ<sup>[1]</sup>.

## REFERENCES

[1]. Du Y, et al. Structural modification of 2-phenylquinoline-4-carboxylic acid containing SIRT3 inhibitors for the cancer differentiation therapy. Chem Biol Drug Des. 2024 Aug;104(2):e14595.

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

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