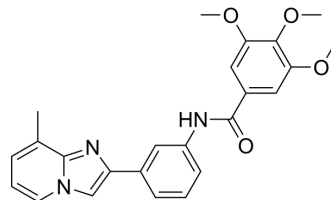


## Sirtuin modulator 5

<b>Cat. No.:</b>	HY-148322
<b>CAS No.:</b>	694469-31-3
<b>Molecular Formula:</b>	C <sub>24</sub> H <sub>23</sub> N <sub>3</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	417.46
<b>Target:</b>	Sirtuin
<b>Pathway:</b>	Cell Cycle/DNA Damage; Epigenetics
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Sirtuin modulator 5 is a sirtuin modulating agent. Sirtuin modulator 5 can activate SIRT1 with a DC <sub>50</sub> value of <50 μM. Sirtuin modulator 5 can be used for increasing the lifespan of a cell and used for the research of variety of diseases including, for example, diseases or disorders related to aging or stress, diabetes, obesity, neurodegenerative diseases, cardiovascular disease, blood clotting disorders, inflammation, cancer, and/or flushing as well as diseases or disorders that would benefit from increased mitochondrial activity <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	SIRT1 ∅50 μM (DC50)
<b>In Vitro</b>	Sirtuin modulator 5 can activate SIRT1 with a DC <sub>50</sub> value of <50 μM <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Michael Milburn, et al. Patent. WO2006094236A1.

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

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