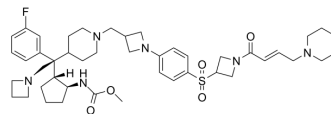


## M-808

<b>Cat. No.:</b>	HY-133738
<b>CAS No.:</b>	2377335-74-3
<b>Molecular Formula:</b>	C <sub>45</sub> H <sub>63</sub> FN <sub>6</sub> O <sub>5</sub> S
<b>Molecular Weight:</b>	819.08
<b>Target:</b>	Epigenetic Reader Domain
<b>Pathway:</b>	Epigenetics
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	M-808 is a highly potent and efficacious covalent Menin-MLL interaction inhibitor, with a binding IC <sub>50</sub> value of 2.6 nM <sup>[1]</sup> .
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : 1 nM (Menin-MLL in MV4;11 cells), 4 nM (Menin-MLL in MOLM-13 cells) <sup>[1]</sup> .
<b>In Vitro</b>	M808 exhibits IC <sub>50</sub> values of 1 nM, 4 nM and 2.8 nM in MV4;11 cells, MOLM-13 cells and HL60 cells, respectively <sup>[1]</sup> . M808 forms a covalent bond between its acrylamide and the sulfur atom of Cys329 in menin <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.
<b>In Vivo</b>	M-808 (16) is well tolerated in severe combined immunodeficiency (SCID) mice with intravenous administration of 10 mg/kg (or 25 mg/kg) every other day dosing (three times a week) for one week. M-808 (25 mg/kg) achieves a maximum tumor growth inhibition (TGI) of 97% during treatment (day 35) and reduces the average tumor volume from 92 mm <sup>3</sup> at the beginning of the treatment to 59 mm <sup>3</sup> at day 35, with no significant toxicity <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Shilin Xu, et al. Discovery of M-808 as a Highly Potent, Covalent, Small-Molecule Inhibitor of the Menin-MLL Interaction With Strong In Vivo Antitumor Activity. J Med Chem. 2020 May 14;63(9):4997-5010.

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

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