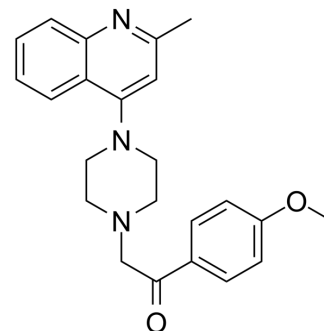


## ASIC-IN-1

Cat. No.:	HY-147391
CAS No.:	308088-10-0
Molecular Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	375.46
Target:	Sodium Channel
Pathway:	Membrane Transporter/Ion Channel
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	ASIC-IN-1 is a potent acid sensing ion channel inhibitor with an IC <sub>50</sub> value of < 10 μM. ASIC-IN-1 causes a dose- dependent reduction of the pain intensity <sup>[1]</sup> .								
<b>IC<sub>50</sub> &amp; Target</b>	IC <sub>50</sub> : < 10 μM (acid sensing ion channel) <sup>[1]</sup>								
<b>In Vivo</b>	<p>ASIC-IN-1 (compound A) (50 mg/kg; i.p.) causes a dose- dependent reduction of the pain intensity as evaluated by the flinching behavior on formalin-induced spontaneous pain evoked by intraplantar injection of formalin in the rat<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1"> <tr> <td>Animal Model:</td> <td>150-180 g male Sprague-Dawley rats<sup>[1]</sup></td> </tr> <tr> <td>Dosage:</td> <td>50 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>i.p.</td> </tr> <tr> <td>Result:</td> <td>Blocked acute tonic pain induced by formalin injection in the paw.</td> </tr> </table>	Animal Model:	150-180 g male Sprague-Dawley rats <sup>[1]</sup>	Dosage:	50 mg/kg	Administration:	i.p.	Result:	Blocked acute tonic pain induced by formalin injection in the paw.
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Administration:	i.p.								
Result:	Blocked acute tonic pain induced by formalin injection in the paw.								

### REFERENCES

[1]. Rahul Vohra, et al. Compositions and methods for modulating gated ion channels. WO2007071055A1.

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

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