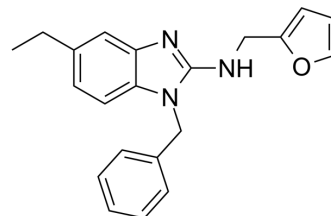


## TRPC4/5-IN-1

<b>Cat. No.:</b>	HY-146155
<b>Molecular Formula:</b>	C <sub>21</sub> H <sub>21</sub> N <sub>3</sub> O
<b>Molecular Weight:</b>	331.41
<b>Target:</b>	TRP Channel
<b>Pathway:</b>	Membrane Transporter/Ion Channel; Neuronal Signaling
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	TRPC4/5-IN-1 is a potent TRP channel 4/5 (TRPC4/5) inhibitor with IC <sub>50</sub> s of 2.06 μM and 0.54 μM, respectively. TRPC4/5-IN-1 can be used for proteinuric kidney diseases and skin inflammatory diseases research <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	TRPC5 0.54 μM (IC <sub>50</sub> )	TRPC4 2.06 μM (IC <sub>50</sub> )
<b>In Vitro</b>	TRPC4/5-IN-1 (Compound 8b) significantly blunts protamine sulfate-induced reorganization of podocyte cytoskeleton, interleukin (IL)-17-induced cell proliferation, and the expression of proinflammatory mediators in human keratinocyte HaCaT cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	

### REFERENCES

[1]. Lili Chen, et al. Synthesis of AC1903 analogs as potent transient receptor potential canonical channel 4/5 inhibitors and biological evaluation. *Bioorg Med Chem.* 2022 May 27;68:116853.

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

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