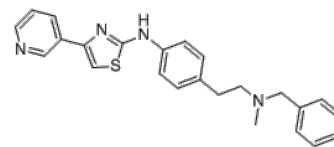


Product Name : GSK205
Cat. No. : PC-62627
CAS No. : 1263068-83-2
Molecular Formula : C₂₄H₂₅BrN₄S
Molecular Weight : 481.46
Target : TRP Channel
Solubility : 10 mM in DMSO



Biological Activity

GSK205 is a selective small molecule **TRPV4** channel inhibitor with IC₅₀ of 4.19 μM.

GSK205 diminishes the chondrocytes' response to hypo-osmotic stress, reducing the fraction of Ca²⁺ responsive cells, the regulatory volume decrease, and PGE₂ production in chondrocytes.

GSK205 attenuates the DEP-evoked Ca²⁺ response, reduces secreted MMP-1 in response to DEP in TRPV4 transfection in BEAS-2B cells.

References

Phan MN, et al. *Arthritis Rheum*. 2009 Oct;60(10):3028-37.

Kanju P, et al. *Sci Rep*. 2016 Jun 1;6:26894.

Li J, et al. *Environ Health Perspect*. 2011 Jun;119(6):784-93.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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