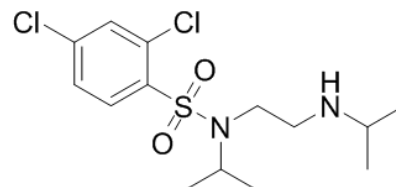


**Product Name** : RN-1734  
**Cat. No.** : PC-45772  
**CAS No.** : 946387-07-1  
**Molecular Formula** : C<sub>14</sub>H<sub>22</sub>Cl<sub>2</sub>N<sub>2</sub>O<sub>2</sub>S  
**Molecular Weight** : 353.3077  
**Target** : TRP Channel  
**Solubility** : DMSO: ≥ 31 mg/mL



## Biological Activity

RN-1734 (RN1734) is a potent, selective **TRPV4** antagonist with IC<sub>50</sub> of 2.3, 3.2 and 5.9 μM for hTRPV4, rTRPV4 and mTRPV4 channels, respectively.

RN-1734 displays selectivity for TRPV4 over other TRP channels (TRPV3, TRPM8 and TRPV1).

RN-1734 reduces the H<sub>2</sub>O<sub>2</sub>-induced vasorelaxation in porcine isolated coronary arteries.

## References

Vincent F, et al. *Biochem Biophys Res Commun*. 2009 Nov 20;389(3):490-4.

Bagher P, et al. *Proc Natl Acad Sci U S A*. 2012 Oct 30;109(44):18174-9.

Wong PS, et al. *Eur J Pharmacol*. 2015 Mar 5;750:108-17.

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

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