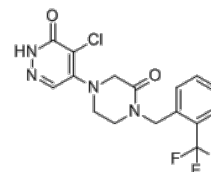


**Product Name** : GFB-8438  
**Cat. No.** : PC-73245  
**CAS No.** : 2304549-73-1  
**Molecular Formula** : C<sub>16</sub>H<sub>14</sub>ClF<sub>3</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight** : 386.76  
**Target** : TRP Channel  
**Solubility** : 10 mM in DMSO



### Biological Activity

GFB-8438 is a potent, selective **TRPC5** inhibitor with IC<sub>50</sub> of 0.18 μM (hTRPC5, Qpatch assay).

GFB-8438 inhibited the whole cell current with an IC<sub>50</sub> of 0.28 μM comparable to the IC<sub>50</sub> in Qpatch assay.

GFB-8438 was equipotent against TRPC4 (IC<sub>50</sub>=0.29 μM) and TRPC5.

GFB-8438 showed excellent selectivity against TRPC6, other TRP family member (TRPC3/7, TRPA1, TRPV1/2/3/4/5, and TRPM2/3/4/8).

GFB-8438 protects mouse podocytes from injury induced by protamine sulfate (PS) in vitro.

GFB-8438 demonstrated robust efficacy in the hypertensive DOCA-salt rat model without affecting blood pressure.

### References

Maolin Yu, et al. *ACS Med Chem Lett.* 2019 Oct 22;10(11):1579-1585.

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

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