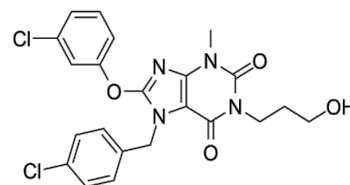


## Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists

**Product Name** : HC-070  
**Cat.No.** : URK-V2509  
**CAS No.** : 1628291-95-1  
**Molecular Weight** : 475.32  
**Molecular Formula** :  $C_{22}H_{20}Cl_2N_4O_4$   
**Target** :  
**Solubility** :



### Biological Activity

HC-070 is a novel and potent inhibitor of TRPC4 and TRPC5 channels.

The mechanism of action of HC-070 involves selective inhibition of TRPC4 and TRPC5 channels by binding to a specific site on the inner pore domain of these channels. HC-070 has been shown to exhibit high selectivity towards TRPC4 and TRPC5 channels, with little or no effect on other TRPC subtypes or related ion channels. HC-070 also has good stability and bioavailability, making it a promising candidate for further development as a novel therapeutic agent.

### References

1. Zitt C, et al. J Biol Chem. 2004;279(15):15234-15240.
2. Schindl R, et al. Br J Pharmacol. 2008;155(4):582-591.
3. Weiger TM, et al. Nat Chem Biol. 2012;8(12):1066-1073.
4. Han J, et al. Nat Commun. 2016;7:10853.
5. Kim BJ, et al. Nat Chem Biol. 2018;14(6):595-597.

*Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!*

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

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