

GRC-17536

## Chemical Properties

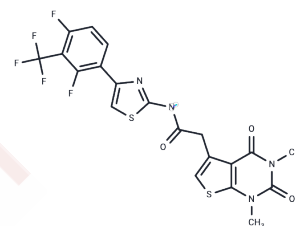
CAS No. : 1649479-05-9

Formula: C<sub>20</sub>H<sub>12</sub>F<sub>5</sub>KN<sub>4</sub>O<sub>3</sub>S<sub>2</sub>

Molecular Weight: 554.55

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	GRC-17536 is an orally available, potent, and selective transient receptor potential anchor protein 1 (TRPA1) inhibitor that has been shown to be highly effective in the treatment of inflammation and neuropathic pain in animal models. The selectivity of GRC-17536 is more than 1000 times higher than that of other TRPs, numerous GPCRs, enzymes, and other ion channels.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8033 mL	9.0163 mL	18.0326 mL
5 mM	0.3607 mL	1.8033 mL	3.6065 mL
10 mM	0.1803 mL	0.9016 mL	1.8033 mL
50 mM	0.0361 mL	0.1803 mL	0.3607 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Mukhopadhyay I, Kulkarni A, Aranake S, Karnik P, Shetty M, Thorat S, Ghosh I, Wale D, Bhosale V, Khairatkar-Joshi N. Transient receptor potential ankyrin 1 receptor activation in vitro and in vivo by pro-tussive agents: GRC 17536 as a promising anti-tussive therapeutic. PLoS One. 2014 May 12;9(5):e97005. doi: 10.1371/journal.pone.0097005. eCollection 2014. PubMed PMID: 24819048; PubMed Central PMCID: PMC4018403.

Mukhopadhyay I, Gomes P, Aranake S, Shetty M, Karnik P, Damle M, Kuruganti S, Thorat S, Khairatkar-Joshi N. Expression of functional TRPA1 receptor on human lung fibroblast and epithelial cells. J Recept Signal Transduct Res. 2011 Oct;31(5):350-8. doi: 10.3109/10799893.2011.602413. Epub 2011 Aug 17. PubMed PMID: 21848366.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481