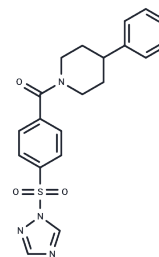


HHS-0701

## Chemical Properties

CAS No. : 2851993-91-2  
 Formula: C<sub>20</sub>H<sub>20</sub>N<sub>4</sub>O<sub>3</sub>S  
 Molecular Weight: 396.46  
 Storage: Powder: -20°C for 3 years  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	HHS-0701 is a sulfur-triazole exchange (SuTEX) ligand. HHS-0701 is a potent inhibitor of tyrosine-reactive prostaglandin reductase 2 (PTGR2). HHS-0701 can block PTGR2 metabolism of the lipid substrate 15-Keto-PGE <sub>2</sub> .
Targets(IC50)	Others, Prostaglandin Receptor
In vitro	HHS-0701 (0.1, 0.25, 0.5, 1, 2.5, 5, 10, 25 μM; 2 hours) caused a concentration-dependent blockade of probe labeling in recombinant PTGR2 overexpressing HEK293T cells[1].

## Solubility Information

Solubility	DMSO: 3.97 mg/mL (10.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.52 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

### Preparing Stock Solutions

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	1mg	5mg	10mg
1 mM	2.5223 mL	12.6116 mL	25.2232 mL
5 mM	0.5045 mL	2.5223 mL	5.0446 mL
10 mM	0.2522 mL	1.2612 mL	2.5223 mL
50 mM	0.0504 mL	0.2522 mL	0.5045 mL

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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

Emmanuel K Toroitich, et al. Discovery of a Cell-Active SuTEx Ligand of Prostaglandin Reductase 2. *Chembiochem*. 2021 Jun 15;22(12):2134-2139.

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