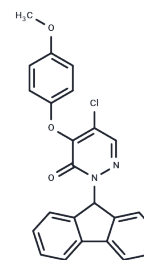


CYM 50769

## Chemical Properties

CAS No. : 1421365-63-0  
 Formula: C<sub>24</sub>H<sub>17</sub>ClN<sub>2</sub>O<sub>3</sub>  
 Molecular Weight: 416.86  
 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	CYM 50769 is a neuropeptide W/B receptor 1 (NPBWR1, GPR7) antagonist (IC <sub>50</sub> = 0.12 μM). CYM 50769 inhibited NPW activation of NPBWR1 with a submicromolar IC <sub>50</sub> , and displayed high selectivity against a broad array of off-targets with pharmaceutical relevance.
Targets(IC <sub>50</sub> )	Neuropeptide W

## Solubility Information

Solubility	DMSO: 50 mg/mL (119.94 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3989 mL	11.9944 mL	23.9889 mL
5 mM	0.4798 mL	2.3989 mL	4.7978 mL
10 mM	0.2399 mL	1.1994 mL	2.3989 mL
50 mM	0.048 mL	0.2399 mL	0.4798 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

Guerrero M, et al. SAR analysis of novel non-peptidic NPBWR1 (GPR7) antagonists. *Bioorg Med Chem Lett.* 2013 Feb 1;23(3):614-9.

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