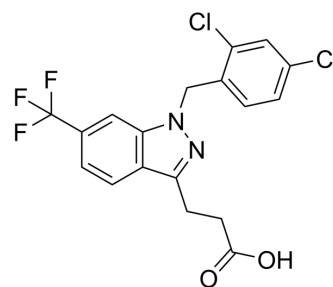


## H2-Gamendazole

<b>Cat. No.:</b>	HY-153911		
<b>CAS No.:</b>	877768-84-8		
<b>Molecular Formula:</b>	C <sub>18</sub> H <sub>13</sub> Cl <sub>2</sub> F <sub>3</sub> N <sub>2</sub> O <sub>2</sub>		
<b>Molecular Weight:</b>	417.21		
<b>Target:</b>	Others		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (299.61 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.3969 mL	11.9844 mL	23.9687 mL
5 mM	0.4794 mL	2.3969 mL	4.7937 mL
10 mM	0.2397 mL	1.1984 mL	2.3969 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

H2-Gamendazole is a derivative of Lonidamine that reduces cyst formation in polycystic kidney disease and is used in autosomal dominant polycystic kidney disease research<sup>[1]</sup>.

### REFERENCES

[1]. Shirin V Sundar, et al. The lonidamine derivative H2-gamendazole reduces cyst formation in polycystic kidney disease. Am J Physiol Renal Physiol. 2022 Oct 1;323(4):F492-F506.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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