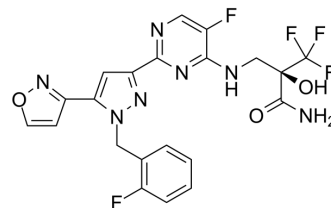


Olinciguat

Cat. No.:	HY-109066		
CAS No.:	1628732-62-6		
Molecular Formula:	C ₂₁ H ₁₆ F ₅ N ₇ O ₃		
Molecular Weight:	509.39		
Target:	Guanylate Cyclase		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (245.39 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	1.9631 mL	9.8157 mL	19.6313 mL
5 mM	0.3926 mL	1.9631 mL	3.9263 mL
10 mM	0.1963 mL	0.9816 mL	1.9631 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (4.08 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (4.08 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Olinciguat (IW-1701) is an oral guanylate cyclase (sGC) stimulator with concentration-dependent stimulation of sGC in purified rat and human enzyme assays and a whole cell assay^[1].

REFERENCES

- [1]. Buys ES, et al. Discovery and development of next generation sGC stimulators with diverse multidimensional pharmacology and broad therapeutic potential. Nitric Oxide. 2018 Aug 1;78:72-80.

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

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