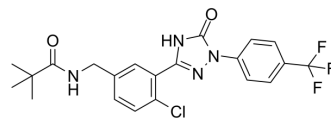


## Zaloglanstat

Cat. No.:	HY-139589		
CAS No.:	1513852-12-4		
Molecular Formula:	C <sub>21</sub> H <sub>20</sub> ClF <sub>3</sub> N <sub>4</sub> O <sub>2</sub>		
Molecular Weight:	452.86		
Target:	PGE synthase		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (552.05 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	2.2082 mL	11.0409 mL	22.0819 mL
	5 mM	0.4416 mL	2.2082 mL	4.4164 mL
	10 mM	0.2208 mL	1.1041 mL	2.2082 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.59 mM); Clear solution			

### BIOLOGICAL ACTIVITY

Description	Zaloglanstat (ISC-27864) is the inhibitor of the microsomal prostaglandin E synthase-1 (mPGES-1), and can be used to study asthma, osteoarthritis, rheumatoid arthritis, acute or chronic pain and neurodegenerative diseases, etc <sup>[1]</sup> .
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### REFERENCES

[1]. Di Micco S, Terracciano S, Ruggiero D, Potenza M, Vaccaro MC, Fischer K, Werz O, Bruno I, Bifulco G. Identification of 2-(thiophen-2-yl)acetic Acid-Based Lead Compound for mPGES-1 Inhibition. *Front Chem.* 2021 May 7;9:676631.

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

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