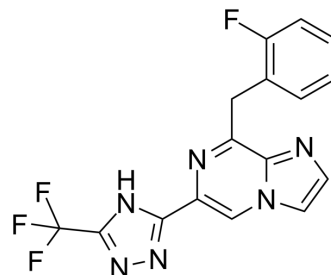


Zagociguat

Cat. No.:	HY-145607		
CAS No.:	2201048-82-8		
Molecular Formula:	C ₁₆ H ₁₀ F ₄ N ₆		
Molecular Weight:	362.28		
Target:	Guanylate Cyclase		
Pathway:	GPCR/G Protein		
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 (690.07 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7603 mL	13.8015 mL	27.6030 mL
	5 mM	0.5521 mL	2.7603 mL	5.5206 mL
	10 mM	0.2760 mL	1.3801 mL	2.7603 mL

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

BIOLOGICAL ACTIVITY

Description

Zagociguat is the stimulator of soluble guanylate cyclase. Zagociguat increases nitric oxide (NO) signaling leading to an increase in cyclic guanosine monophosphate production. Zagociguat has the potential for the research of noncentral nervous system (CNS) disorders^[1].

IC₅₀ & Target

Soluble Guanylate Cyclase^[1]

REFERENCES

[1]. Debra J. Wallace, et al. Accelerated Development of a Scalable Synthesis of CY6463, a CNS-Penetrant sGC Stimulator for the Treatment of Neurodegenerative Diseases. *Org Process Res Dev.* 2021;25(10):2288-2299.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA