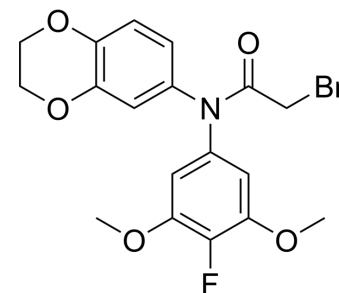


GPX4-IN-6

Cat. No.:	HY-155664		
CAS No.:	2922824-07-3		
Molecular Formula:	C ₁₈ H ₁₇ BrFNO ₅		
Molecular Weight:	426.23		
Target:	Glutathione Peroxidase; Ferroptosis		
Pathway:	Metabolic Enzyme/Protease; Apoptosis		
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 : 50 mg/mL (117.31 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	2.3462 mL	11.7308 mL	23.4615 mL
		5 mM	0.4692 mL	2.3462 mL	4.6923 mL
10 mM		0.2346 mL	1.1731 mL	2.3462 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (5.87 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (5.87 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	GPX4-IN-6 (Compound C25) is a GPX4 covalent inhibitor with an IC ₅₀ value of 0.13 μM. GPX4-IN-6 (Compound C25) can induce ferroptosis for the research of triple-negative breast cancer (TNBC) [1].
IC₅₀ & Target	IC ₅₀ : 0.13 μM (GPX4) ^[1]

REFERENCES

[1]. Chen T, et al. Discovery of Novel Potent Covalent Glutathione Peroxidase 4 Inhibitors as Highly Selective Ferroptosis Inducers for the Treatment of Triple-Negative

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