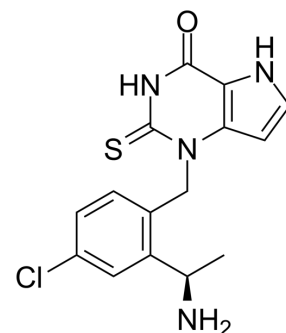


Mitiperstat

Cat. No.:	HY-145581		
CAS No.:	1933460-19-5		
Molecular Formula:	C ₁₅ H ₁₅ ClN ₄ OS		
Molecular Weight:	334.82		
Target:	Glutathione Peroxidase		
Pathway:	Metabolic Enzyme/Protease		
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 : 125 mg/mL (373.33 mM; ultrasonic and warming and heat to 60°C)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9867 mL	14.9334 mL	29.8668 mL
5 mM	0.5973 mL	2.9867 mL	5.9734 mL
10 mM	0.2987 mL	1.4933 mL	2.9867 mL

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

BIOLOGICAL ACTIVITY

Description

Mitiperstat (AZD4831) is the potent inhibitor of myeloperoxidase (MPO). Mitiperstat is particularly useful in the research of prophylaxis of cardiovascular disorders such as heart failure and coronary artery disease related conditions (extracted from patent US20160152623A1)^[1].

IC₅₀ & Target

MPO^[1]

REFERENCES

[1]. Tord Bertil INGARDT, et al. 1-[2-(AMINOMETHYL)BENZYL]-2-THIOXO-1,2,3,5-TETRAHYDRO-4H-PYRROLO[3,2-d]PYRIMIDIN-4-ONES AS INHIBITORS OF MYELOPEROXIDASE. Patent US20160152623A1.

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

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