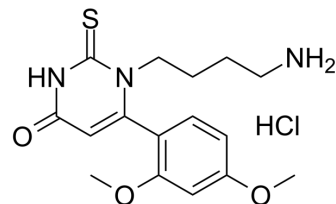


MPO-IN-3

Cat. No.:	HY-145197
CAS No.:	1435469-45-6
Molecular Formula:	C ₁₆ H ₂₂ ClN ₃ O ₃ S
Molecular Weight:	371.88
Target:	Glutathione Peroxidase
Pathway:	Metabolic Enzyme/Protease
Storage:	4°C, stored under nitrogen, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (268.90 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6890 mL	13.4452 mL	26.8904 mL
	5 mM	0.5378 mL	2.6890 mL	5.3781 mL
	10 mM	0.2689 mL	1.3445 mL	2.6890 mL

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

BIOLOGICAL ACTIVITY

Description

MPO-IN-3 is a potent myeloperoxidase (MPO) inhibitor (WO2013068875A1, example 191). Myeloperoxidase (MPO) is a heme-containing enzyme belonging to the peroxidase superfamily^[1].

REFERENCES

[1]. Philip Albert Carpino, et al. 2-thiopyrimidinones. WO2013068875A1.

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

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