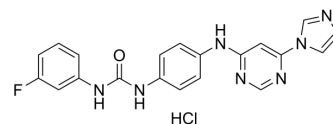


Miro1 Reducer

Cat. No.: HY-163172
CAS No.: 2624336-91-8
Molecular Formula: C₂₀H₁₇ClFN₇O
Molecular Weight: 425.85
Target: Others
Pathway: Others
Storage: -20°C, sealed storage, away from moisture
 * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 42.58 mg/mL (99.99 mM; Need ultrasonic and warming)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.3482 mL	11.7412 mL	23.4824 mL
	5 mM		0.4696 mL	2.3482 mL	4.6965 mL
	10 mM		0.2348 mL	1.1741 mL	2.3482 mL

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

BIOLOGICAL ACTIVITY

Description

Miro1 Reducer is a small molecule that can repair this defect of Miro1 in Parkinson's disease (PD) fibroblasts. Miro1 Reducer reduces the delayed mitophagy phenotype in PD fibroblasts. Miro1 Reducer reduces Miro1 protein levels in dose-dependent manner (IC₅₀ = 7.8 mM)^[1].

REFERENCES

[1]. Hsieh CH, et al. Miro1 Marks Parkinson's Disease Subset and Miro1 Reducer Rescues Neuron Loss in Parkinson's Models. Cell Metab. 2019 Dec 3;30(6):1131-1140.e7.

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

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