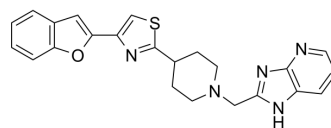


BAY-179

Cat. No.:	HY-145707		
CAS No.:	2764880-87-5		
Molecular Formula:	C ₂₃ H ₂₁ N ₅ OS		
Molecular Weight:	415.51		
Target:	Mitochondrial Metabolism		
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 : 62.5 mg/mL (150.42 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4067 mL	12.0334 mL	24.0668 mL
	5 mM	0.4813 mL	2.4067 mL	4.8134 mL
	10 mM	0.2407 mL	1.2033 mL	2.4067 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (5.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (5.01 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.01 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BAY-179 is a potent, selective, and species cross-reactive complex I inhibitor (IC₅₀=79 μM)^[1].

REFERENCES

[1]. Mowat J, et al. Identification of the Highly Active, Species Cross-Reactive Complex I Inhibitor BAY-179. ACS Med Chem Lett. 2022;13(3):348-357. Published 2022 Feb 18.

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