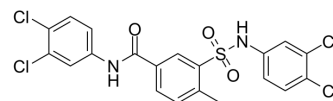


## JC-229

Cat. No.:	HY-155655		
CAS No.:	3026716-22-0		
Molecular Formula:	C <sub>20</sub> H <sub>14</sub> Cl <sub>4</sub> N <sub>2</sub> O <sub>3</sub> S		
Molecular Weight:	504.21		
Target:	Parasite		
Pathway:	Anti-infection		
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 : 40 mg/mL (79.33 mM; ultrasonic and adjust pH to 9 with 1M NaOH)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.9833 mL	9.9165 mL	19.8330 mL
	5 mM	0.3967 mL	1.9833 mL	3.9666 mL
	10 mM	0.1983 mL	0.9917 mL	1.9833 mL

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

### BIOLOGICAL ACTIVITY

#### Description

JC-229 is a *Tb*RPA1 inhibitor. JC-229 targets RPA1 in *Trypanosoma brucei*. JC-229 can be used for the research of Human African Trypanosomiasis (HAT)<sup>[1]</sup>.

### REFERENCES

[1]. Mukherjee A, et al. Identification of a small-molecule inhibitor that selectively blocks DNA-binding by *Trypanosoma brucei* replication protein A1. *Nat Commun.* 2023 Jul 20;14(1):4390.

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

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