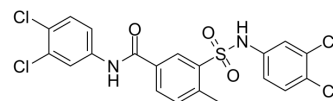


## JC-229

|                    |   |       |          |
|--------------------|---|-------|----------|
| 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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