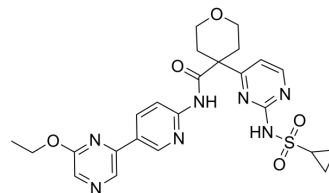


## CTPS1-IN-2

Cat. No.:	HY-157783
CAS No.:	2377000-84-3
Molecular Formula:	C <sub>24</sub> H <sub>27</sub> N <sub>7</sub> O <sub>5</sub> S
Molecular Weight:	525.58
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	CTPS1-IN-2 (P115) is an inhibitor of Cytidine Triphosphate Synthase 1 (CTPS1) with an IC <sub>50</sub> value of ≤ 0.1 μM. CTPS1-IN-2 can be used for research on cancer (such as leukemia and lymphoma), inflammatory skin diseases (such as psoriasis), or multiple sclerosis <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC <sub>50</sub> : ≤ 0.1 μM (CTPS1) <sup>[1]</sup> .

## REFERENCES

[1]. Quddus, et al. "N-(4-(5-chloropyridin-3-yl) phenyl)-2-(2-(cyclopropanesulfonamido) pyrimidin-4-yl) butanamide derivatives and related compounds as human CTPS1 inhibitors for the treatment of proliferative diseases." U.S. Patent. WO2019179652 A1. 2023-03-23

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

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