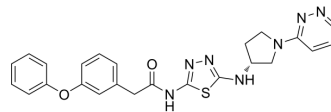


Glutaminase C-IN-2

Cat. No.:	HY-149602
Molecular Formula:	C ₂₄ H ₂₃ N ₇ O ₂ S
Molecular Weight:	473.55
Target:	Glutaminase; Reactive Oxygen Species
Pathway:	Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Glutaminase C-IN-2 (compound 11) is glutaminase C (GAC) allosteric inhibitor with an IC₅₀ of 10.64 nM. Glutaminase C-IN-2 regulates the cellular metabolite, thereby increasing reactive oxygen species (ROS) by blocking glutamine metabolism. Glutaminase C-IN-2 has anticancer effects^[1].

REFERENCES

[1]. Hanyu Sun, et al. Targeting the Subpocket Enables the Discovery of Thiadiazole-Pyridazine Derivatives as Glutaminase C Inhibitors. ACS Med Chem Lett. 2023 Sep 28;14(10):1455-1466.

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

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