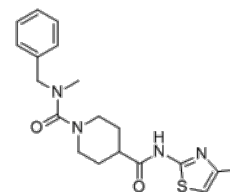


Product Name : H3B-120
Cat. No. : PC-38214
CAS No. : 2194903-42-7
Molecular Formula : C₁₉H₂₄N₄O₂S
Molecular Weight : 372.487
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

H3B-120 (H3B 120) is a selective allosteric inhibitor of Carbamoyl phosphate synthetase 1 (**CPS1**) with K_i of 1.4 μM, does not bind to CPS2.

H3B-120 demonstrated complete inhibition of both ATP activity and carbamoyl phosphate synthetase activity of CPS1 with IC₅₀ of 1.5 μM.

H3B-120 blocks pyrimidine labeling in hepatocytes treated with 15N-ammonia, inhibits urea production in a dose-dependent manner, although the cellular potency decreased significantly compared with enzymatic assays.

References

Yao S, et al. *Cell Chem Biol.* 2020 Mar 19;27(3):259-268.e5.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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