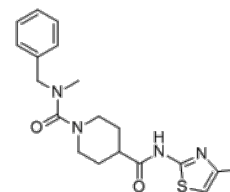


**Product Name** : H3B-120  
**Cat. No.** : PC-38214  
**CAS No.** : 2194903-42-7  
**Molecular Formula** : C<sub>19</sub>H<sub>24</sub>N<sub>4</sub>O<sub>2</sub>S  
**Molecular Weight** : 372.487  
**Target** : Other Targets  
**Solubility** :



## Biological Activity

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

H3B-120 demonstrated complete inhibition of both ATP activity and carbamoyl phosphate synthetase activity of CPS1 with  $IC_{50}$  of 1.5  $\mu$ M.

H3B-120 blocks pyrimidine labeling in hepatocytes treated with <sup>15</sup>N-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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