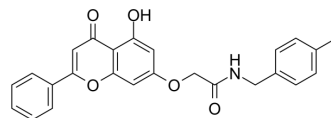


## PXYD4

Cat. No.:	HY-146449
CAS No.:	2712534-78-4
Molecular Formula:	C <sub>25</sub> H <sub>21</sub> NO <sub>5</sub>
Molecular Weight:	415.44
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	PXYD4 is a ribosomal protein S1 (RpsA) antagonist with K <sub>d</sub> s of 3.24 and 1.64 μM for RpsA-CTD and RpsA-CTD Δ438A, respectively. RpsA plays an important role in the trans-translation process of Mycobacterium Tuberculosis (Mtb) <sup>[1]</sup> .
IC <sub>50</sub> & Target	Kd: 3.24 μM (RpsA) <sup>[1]</sup>
In Vitro	PXYD4 has high affinity for both RpsA-CTD (WT) and RpsA-CTD Δ438A (Mutant) with Kd values of 3.24 μM and 1.64 μM, respectively <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Yazhuang Dai, et al. Discovery and evaluation of new compounds targeting ribosomal protein S1 in antibiotic-resistant Mycobacterium Tuberculosis. Eur J Med Chem. 2020 Jun 15;196:112317.

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

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