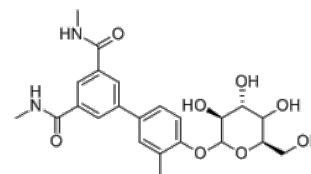


Product Name : M4284
Cat. No. : PC-60900
CAS No. : 1373346-85-0
Molecular Formula : C₂₃H₂₈N₂O₈
Molecular Weight : 460.483
Target : Bacterial
Solubility : 10 mM in DMSO



Biological Activity

M4284 (M-4284) is a high-affinity biphenyl mannoside **FimH** inhibitor with HAI of 16 nM in hemagglutination assay. M4284 reduces intestinal colonization of genetically diverse UPEC isolates, while simultaneously treating UTI, without notably disrupting the structural configuration of the gut microbiota. M4284 reduces UTI89 levels in the gut and urinary tracts of mice.

References

- Spaulding CN, et al. *Nature*. 2017 Jun 22;546(7659):528-532.
Jarvis C, et al. *ChemMedChem*. 2016 Feb 17;11(4):367-73.
Han Z, et al. *J Med Chem*. 2012 Apr 26;55(8):3945-59.

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

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