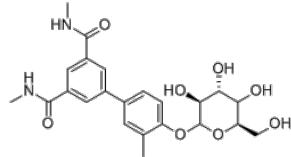


<b>Product Name</b>	: M4284
<b>Synonyms</b>	: M-4284; M 4284
<b>Cat No.</b>	: M11539
<b>CAS Number</b>	: 1373346-85-0
<b>Molecular Formula</b>	: C <sub>23</sub> H <sub>28</sub> N <sub>2</sub> O <sub>8</sub>
<b>Formula Weight</b>	: 460.48
<b>Chemical Name</b>	: N3,N5,3'-trimethyl-4'(((3S,4R,6R)-3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydro-2H-pyran-2-yl)oxy)-[1,1'-biphenyl]-3,5-dicarboxamide
<b>Description</b>	: M4284 (M-4284) is a high-affinity biphenyl mannoside FimH inhibitor with HAI of 16 nM in hemagglutination assay; reduces intestinal colonization of genetically diverse UPEC isolates, while simultaneously treating UTI, without notably disrupting the structural configuration of the gut microbiota; reduces UTI89 levels in the gut and urinary tracts of mice.
<b>Pathway</b>	: GPCR/G Protein
<b>Target</b>	: Antibacterial
<b>Receptor</b>	: Antibacterial
<b>Solubility</b>	: —
<b>SMILES</b>	: CC1=C(C=CC(=C1)C2=CC(=CC(=C2)C(=O)NOC(=O)NC)OC3C(C(O(C(O3)CO)O)O)O
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:



1. Spaulding CN, et al. Nature. 2017 Jun 22;546(7659):528-532. | 2. Jarvis C, et al. ChemMedChem. 2016 Feb 17;11(4):367-73. | 3. Han Z, et al. J Med Chem. 2012 Apr 26;55(8):3945-59.