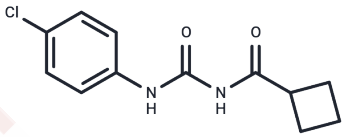
Data Sheet (Cat.No.T200681)

TargetMol

BPU17

Chemical Properties



CAS No. : 2198977-68-1

Formula: C12H13ClN2O2

Molecular Weight: 252.70

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	BPU17 interacts with PHB1 and disrupts the PHB1-PHB2 interaction, causing slight mitochondrial dysfunction. This damage hinders transcription dependent on SRF/CArG-box, thereby inhibiting epithelial-mesenchymal transition (EMT) in retinal pigment epithelial cells (RPEs). BPU17 has demonstrated anti-fibrotic activity in vivo. It holds potential as a research agent for anti-angiogenic age-related macular degeneration (nAMD).
Targets(IC50)	Others,Mitochondrial Metabolism

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9573 mL	19.7863 mL	39.5726 mL
5 mM	0.7915 mL	3.9573 mL	7.9145 mL
10 mM	0.3957 mL	1.9786 mL	3.9573 mL
50 mM	0.0791 mL	0.3957 mL	0.7915 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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