

Product Name : AZD 9977

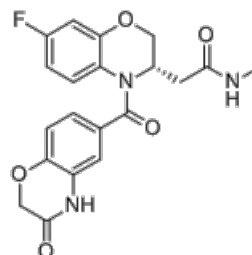
Synonyms : AZD9977

Cat No. : M12858

CAS Number : 1850385-64-6

Molecular Formula : C₂₀H₁₈FN₃O₅

Formula Weight : 399.38



Chemical Name : (S)-2-(7-fluoro-4-(3-oxo-3,4-dihydro-2H-benzo[b][1,4]oxazine-6-carbonyl)-3,4-dihydro-2H-benzo[b][1,4]oxazin-3-yl)-N-methylacetamide

Description : AZD9977 is a novel, first-in-class, selective and oral mineralocorticoid receptor (MR) modulator with pK_i of 7.5, shows little to no affinity for GR, PR and AR (pIC₅₀<5.5); dose dependently reduces albuminuria and improves kidney histopathology similar to eplerenone in db/db uni-nephrectomised mice and uni-nephrectomised rats, does not affect urinary Na⁺/K⁺ ratio. Diabetes Phase 1 Clinical

Pathway : Nuclear Receptor/Transcription Factor

Target : MLR

Receptor : MLR

Solubility : —

SMILES : CNC(=O)CC1COC2=C(N1C(=O)C3=CC4=C(C=C3)OCC(=O)N4)C=CC(=C2)F

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Bamberg K, et al. PLoS One. 2018 Feb 23;13(2):e0193380. | 2. Erlandsson F, et al. Br J Clin Pharmacol. 2018 Feb 21. doi: 10.1111/bcp.13562.