

Product Name : AC1903

Synonyms : —

**Cat No.** : M22075

**CAS Number** : 831234-13-0

Molecular Formula : C19H17N3O

Formula Weight : 303.36

Chemical Name : ----

Description

AC1903 is a specific inhibitor of TRPC5 channel, and has been shown to suppress severe proteinuria and prevent podocyte loss.AC1903, that specifically blocks TRPC5 channel activity in glomeruli of proteinuric rats.?Chronic administration of

: AC1903 suppressed severe proteinuria and prevented podocyte loss in a transgenic rat model of FSGS.AC1903 also provided therapeutic benefit in a rat model of hypertensive proteinuric kidney disease.?TRPC5 activity drives disease and

that TRPC5 inhibitors may be valuable for the treatment of progressive kidney diseases.

Pathway : Membrane Transporter/Ion Channel

Target : TRP/TRPV Channel

Receptor : TRPC5

Solubility : —

**SMILES** : C(NC1=NC2=CC=C2N1CC1=CC=CC1)C1=CC=CO1

Storage : (-20℃)

**Stability** :  $\geq 2$  years

Reference :

1. Sharma S H, Pablo J L, Montesinos M S, et al. Design, synthesis and characterization of novel N-heterocyclic-1-benzyl-1H-benzo[d]imidazole-2-amines as selective TRPC5 inhibitors leading to the identification of the selective compound, AC1903[J]. Bioorganic & Medicinal Chemistry Letters, 2018.