

AC1903, TRPC5 blocker

Catalog	Unit
TBI3375-10MG	10 mg
TBI3375-50MG	50 mg

Product Details

Formal Name: 1-Benzyl-1H-benzoimidazol-2-yl)-furan-2-ylmethyl-amine

Molecular Formula: C₁₉H₁₇N₃O

Formula Weight: 303.36

CAS Number: 831234-13-0

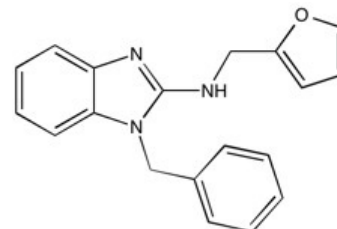
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml) or in ethanol (up to 25 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

TRPC5 blocker

Functions

A potent and selective TRPC5 blocker. Suppresses severe proteinuria and prevents podocyte loss in a transgenic rat model of focal segmental glomerulosclerosis. It also provided therapeutic benefit in a rat model of hypertensive proteinuric kidney disease. The use of this selective tool compound provided a mechanistic rationale for targeting TRPC5 channels in progressive chronic kidney diseases and paves the way for the discovery of new therapeutics. Active in vivo.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml) or in ethanol (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.