

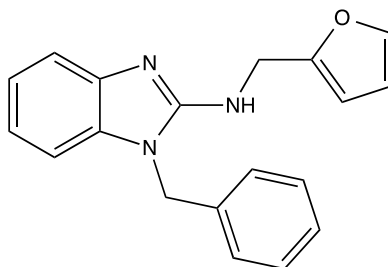
Catalog # 10-3375

AC1903

831234-13-0

1-Benzyl-1H-benzoimidazol-2-yl)-furan-2-ylmethyl-amine

Lot # X107541



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*.

- 1) Zhou *et al.* (2017), *A small-molecule inhibitor of TRPC5 ion channels suppresses progressive kidney disease in animal models*; *Science*, **358** 1332

PHYSICAL DATA

Molecular Weight: 303.36
Molecular Formula: C₁₉H₁₇N₃O
Purity: 98% by TLC
NMR: (Conforms)
Solubility: DMSO (up to 30 mg/ml) or in ethanol (up to 25 mg/ml)
Physical Description: Beige solid
Storage and Stability: Store as supplied desiccated at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or Ethanol may be stored at -20°C for up to 3 months.

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