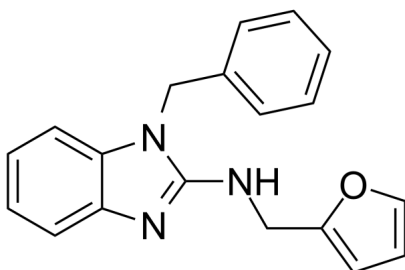


## Certificate of Analysis

Catalog Number	BP15917
Product Name	AC1903

## Physical and Chemical Properties

CAS No.	831234-13-0
Chemical Formula	C <sub>19</sub> H <sub>17</sub> N <sub>3</sub> O
Molecular Weight	303.365
Solubility	DMSO: 10 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	AC1903 is a specific inhibitor of TRPC5 channel, and has been shown to suppress severe proteinuria and prevent podocyte loss.
Targets&IC50	TRPC5 current IN HEK-293 cells:14.7 μM (IC50)

In vivo	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.
---------	--

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022