

# Certificate of Analysis

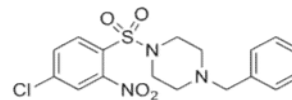


## Product Identification

**Catalog number** HB1186  
**Compound name** RN-1747  
**Chemical name** 1-(4-Chloro-2-nitrophenyl)sulfonyl- 4-benzylpiperazine

**Batch number** E1975-4-2  
**Batch molecular formula** C<sub>17</sub>H<sub>18</sub>ClN<sub>3</sub>O<sub>4</sub>S  
**Batch molecular weight** 395.86

## Chemical Structure



## Method

## QC requirement

## QC Result

<b>HPLC</b>	Reverse Phase HPLC shows >98% purity	Meets specification: 99.6%
<b>NMR</b>	<sup>1</sup> H NMR in DMSO at 400 MHz consistent with structure	Meets specification
<b>Mass spectrum</b>	Electrospray positive analysis consistent with structure	Meets specification
<b>Microanalysis</b>	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
<b>TLC</b>	TLC analysis in 40% EtOAc/hexane shows one spot under uv	Meets specification: R <sub>f</sub> =0.6
<b>Physical appearance</b>	Off-white to beige solid	Meets specification: Beige solid
<b>Solubility</b>	Soluble in DMSO (100 mM)	Meets specification

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

15/06/2022

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.