

# Certificate of Analysis



| Product Identification         |  | Chemical Structure               |
|--------------------------------|--|----------------------------------|
| <b>Catalog number</b>          | HB2767   |                                  |
| <b>Compound name</b>           | Prazosin hydrochloride   |                                  |
| <b>Chemical name</b>           | 1-(4-Amino-6,7-dimethoxy-2-quinazolinyl)-4-(2-furanylcarbonyl)piperazine hydrochloride |                                  |
| <b>Batch number</b>            | E1950-1-1  |                                  |
| <b>Batch molecular formula</b> | $C_{19}H_{21}N_5O_4 \cdot HCl \cdot 0.2H_2O$   |                                  |
| <b>Batch molecular weight</b>  | 423.47   |                                  |
| Method                         | QC requirement   | QC Result                        |
| <b>HPLC</b>                    | Reverse Phase HPLC shows >98% purity   | Meets specification: 100%        |
| <b>NMR</b>                     | $^1H$ NMR in DMSO at 400 MHz consistent with structure                                 | Meets specification              |
| <b>Mass spectrum</b>           | Electrospray positive analysis shows molecular ion                                     | Meets specification              |
| <b>Microanalysis</b>           | Elemental analysis is within 0.4% for the batch molecular formula                      | Meets specification              |
| <b>Physical appearance</b>     | White to off-white solid   | Meets specification: White solid |
| <b>Solubility</b>              | Soluble in DMSO (25 mM)  | Meets specification              |

Produced by Richard Patterson

Signature

Passed by Steve Roome

Signature

Date

25-04-22

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