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## Certificate of Analysis

Product Name Manidipine dihydrochloride

 Glentham Code
 GP1065

 CAS Number
 89226-75-5

 MDL Number
 MFCD00896434

 Additional CAS
 89226-50-6

 PubChem SID
 310276019

 Batch Number
 364SGP

Molecular Weight 683.63

Molecular Formula  $C_{35}H_{38}N_4O_6 \cdot 2HCI$ 

Storage Temp. +20°0

CI — H

O

H<sub>3</sub>C

H<sub>3</sub>C

H<sub>3</sub>C

CH<sub>3</sub>

 Property
 Specification
 Batch 364SGP

 Physical Description
 White to pale yellow powder or crystals
 White powder

 Identification (IR)
 To conform to standard
 Conforms

 Solubility (1% in DMSO)
 Clear, colourless to faint yellow solution
 Clear, faint yellow solution

 Assay
 ≥ 98.0%
 99.2%

Specification Version v1.0

Manufacture Date 2022-04-06

Re-Test Date 2029-05-26

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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