

Certificate of Analysis

Product Name: Piperazine citrate hydrate
Cat. No.: GF04590
Batch No.: 1
Chemical Name:

PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 41372-10-5
Molecular Formula: $C_{24}H_{46}N_6O_{14} \cdot xH_2O$
Molecular Weight: 642.65(anhydrous)
Storage: 2-8°C

Chemical Structure:



ANALYTICAL DATA

Appearance: A solid
HNMR: Consistent with structure
HPLC: Consistent with structure
Purity: >98.00%
Conclusion: The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

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