

## Certificate of Analysis

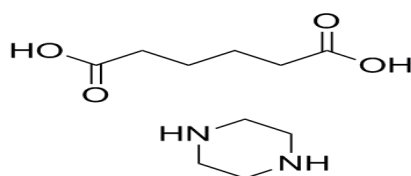
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Product Name: Piperazine adipate  
Cat. No.: GC30962  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 142-88-1  
Molecular Formula:  $C_{10}H_{20}N_2O_4$   
Molecular Weight: 232.28  
Storage: Store at  $-20^{\circ}C$

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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