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**Certificate of Analysis**

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Product Name: Vardenafil HCl Trihydrate  
Cat. No.: GC10588  
Batch No.: 1  
Chemical Name: 2-[2-ethoxy-5-(4-ethylpiperazin-1-yl)sulfonylphenyl]-5-methyl-7-propyl-1H-imidazo[5,1-f][1,2,4]triazin-4-one

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 330808-88-3  
Molecular Formula:  $C_{23}H_{32}N_6O_4S \cdot HCl \cdot 3H_2O$   
Molecular Weight: 579.11  
Storage: Store at -20°C  
Chemical Structure:

**ANALYTICAL DATA**

Appearance: solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >98%  
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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