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**Certificate of Analysis**

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Product Name: MK-2048  
Cat. No.: GC15561  
Batch No.: 1  
Chemical Name: (6S)-2-[(3-chloro-4-fluorophenyl)methyl]-8-ethyl-10-hydroxy-N,6-dimethyl-1,9-dioxo-6,7-dihydropyrazino[5,6]pyrrolo[1,3-b]pyridazine-4-carboxamide

**PHYSICAL AND CHEMICAL PROPERTIES**

Cas. No.: 869901-69-9  
Molecular Formula:  $C_{21}H_{21}ClFN_5O_4$   
Molecular Weight: 461.9  
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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