

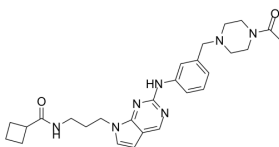
## TBK1-IN-1

Cat. No.: HY-152237  
Batch No.: 336831  
Chemical Name: N-(3-(2-((3-((4-Acetylpiperazin-1-yl)methyl)phenyl)amino)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)propyl)cyclobutanecarboxamide

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>27</sub>H<sub>35</sub>N<sub>7</sub>O<sub>2</sub>  
Molecular Weight: 489.61  
Storage: Powder      -20°C    3 years  
                                  4°C      2 years  
                                  In solvent   -80°C    6 months  
  -20°C    1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
LCMS: Consistent with structure  
Purity (HPLC): 99.91%  
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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