

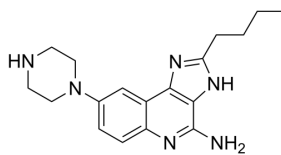
## TLR7/8 agonist 4

Cat. No.: HY-139017  
CAS No.: 2388520-33-8  
Batch No.: 261743  
Chemical Name: 3H-Imidazo[4,5-c]quinolin-4-amine, 2-butyl-8-(1-piperazinyl)-

## PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_{18}H_{24}N_6$   
Molecular Weight: 324.42  
Storage: 4°C, sealed storage, away from moisture and light  
\* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)

## Chemical Structure:



## ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (HPLC): 99.04%  
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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