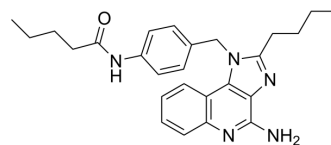


## TLR7 agonist 15

Cat. No.:	HY-156176
CAS No.:	2832199-53-6
Molecular Formula:	C <sub>26</sub> H <sub>31</sub> N <sub>5</sub> O
Molecular Weight:	429.56
Target:	Toll-like Receptor (TLR)
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

TLR7 agonist 15 (compound 16b) is a highly potent TLR7 agonist with an EC<sub>50</sub> of 18 nM. TLR7 agonist 15 potently induces the activation of mouse macrophages and hPBMCs at low-nanomolar concentrations<sup>[1]</sup>.

## REFERENCES

[1]. Emma G DeYoung, et al. Synthesis and Optimization of 1-Substituted Imidazo[4,5- c]quinoline TLR7 Agonists. ACS Med Chem Lett. 2023 Sep 14;14(10):1358-1368.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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