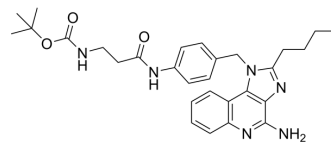


TLR7 agonist 14

Cat. No.:	HY-156175
CAS No.:	2832199-45-6
Molecular Formula:	C ₂₉ H ₃₆ N ₆ O ₃
Molecular Weight:	516.63
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 14 (compound 17b) is a highly potent TLR7 agonist with an EC ₅₀ of 18 nM. TLR7 agonist 14 potently induces the activation of mouse macrophages and hPBMCs at low-nanomolar concentrations ^[1] .
IC ₅₀ & Target	TLR7 18 nM (IC ₅₀)

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.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA