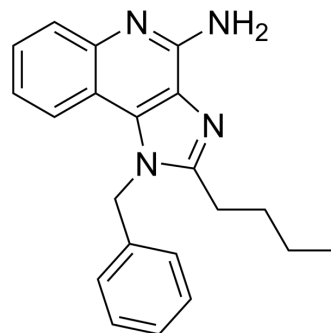


BBIQ (GMP)

Cat. No.:	HY-111582G
CAS No.:	1229024-57-0
Molecular Formula:	C ₂₁ H ₂₂ N ₄
Molecular Weight:	330.43
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	BBIQ (GMP) is BBIQ (HY-111582) produced by using GMP guidelines. GMP small molecules works appropriately as an auxiliary reagent for cell therapy manufacture. BBIQ is a potent and selectively toll-like receptor 7 (TLR7) agonist with an EC ₅₀ of 59.1 nM. BBIQ is a powerful vaccine adjuvant that enhances innate immune responses ^{[1][2]} .
IC ₅₀ & Target	human TLR7 59.1 nM (EC50)

REFERENCES

[1]. Saroa R, et al. Efficacy of TLR7 agonistic imidazoquinoline as immunochemotherapeutic agent against P. Berghei ANKA infected rodent host. *Bioorg Med Chem Lett*. 2019 May 1;29(9):1099-1105.

[2]. Kaushik D, et al. BBIQ, a pure TLR7 agonist, is an effective influenza vaccine adjuvant. *Hum Vaccin Immunother*. 2020 Apr 16:1-8.

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

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