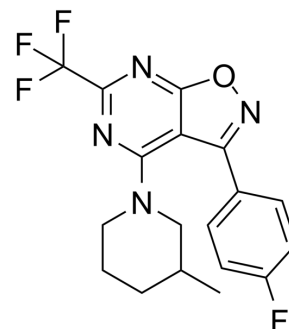


TLR7 agonist 18

Cat. No.:	HY-162116
Molecular Formula:	C ₁₈ H ₁₆ F ₄ N ₄ O
Molecular Weight:	380.34
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 18 (Compound 21a) is a selective Toll-like receptor 7 (TLR7) agonist with an EC₅₀ of 7.8 μM. TLR7 agonist 18 is not cytotoxic to hTLR7 cotransfected HEK293 cell lines and can induce the secretion of several cytokines, including IL-1β, IL-12p70, IL-8, and TNF-α. TLR7 agonist 18 can be used in vaccine, asthma, allergy and anti-cancer research^[1].

IC₅₀ & Target

EC₅₀: 7.8 μM (TLR7)^[1].

REFERENCES

[1]. Strašek Benedik N, et al. Structural Optimization and Biological Evaluation of Isoxazolo [5, 4-d] pyrimidines as Selective Toll-Like Receptor 7 Agonists[J]. ACS Omega, 2024.

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

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