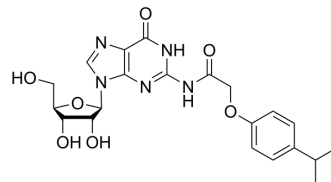


N-[2-[4-(1-Methylethyl)phenoxy]acetyl]guanosine

| | |
|--------------------|---|
| Cat. No.: | HY-154336 |
| CAS No.: | 937205-20-4 |
| Molecular Formula: | C ₂₁ H ₂₅ N ₅ O ₇ |
| Molecular Weight: | 459.45 |
| Target: | Nucleoside Antimetabolite/Analog |
| Pathway: | Cell Cycle/DNA Damage |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

N-[2-[4-(1-Methylethyl)phenoxy]acetyl]guanosine is a guanosine analog. Some guanosine analogs have immunostimulatory activity. In some animal models, they also induce type I interferons, producing antiviral effects. Studies have shown that the functional activity of guanosine analogs is dependent on the activation of Toll-like receptor 7 (TLR7)^[1].

REFERENCES

[1]. Lee J, et al. Molecular basis for the immunostimulatory activity of guanine nucleoside analogs: activation of Toll-like receptor 7. Proc Natl Acad Sci U S A. 2003 May 27;100(11):6646-51.

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

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