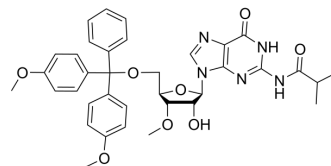


N2-iso-Butyroyl-5'-O-(4,4'-dimethoxytrityl)-3'-O-methylguanosine

Cat. No.:	HY-154483
CAS No.:	103285-33-2
Molecular Formula:	C ₃₆ H ₃₉ N ₅ O ₈
Molecular Weight:	669.72
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

N2-iso-Butyroyl-5'-O-(4,4'-dimethoxytrityl)-3'-O-methylguanosine 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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