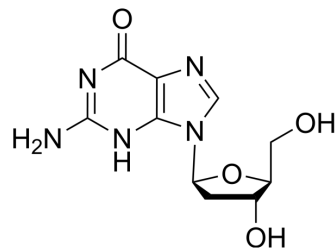


2'-Deoxy-L-guanosine

Cat. No.:	HY-148169
CAS No.:	22837-44-1
Molecular Formula:	C ₁₀ H ₁₃ N ₅ O ₄
Molecular Weight:	267.24
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	2'-Deoxy-L-guanosine selectively inhibits D-Thymidine phosphorylation catalyzed by HSV 1 thymidine kinase. 2'-Deoxy-L-guanosine is the L-configuration of 2'-Deoxyguanosine (HY-17563) ^[1] .
In Vitro	2'-Deoxy-L-guanosine (0-500 μM) selectively inhibits D-Thymidine phosphorylation catalyzed by HSV 1 thymidine kinase ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Spadari S, et al. L-thymidine is phosphorylated by herpes simplex virus type 1 thymidine kinase and inhibits viral growth. J Med Chem. 1992 Oct 30;35(22):4214-20.

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

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