

Calf thymus DNA

Cat. No.:	HY-109517
CAS No.:	91080-16-9
Molecular Weight:	N/A
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)

Calf thymus DNA

SOLVENT & SOLUBILITY

In Vitro	H ₂ O : ≥ 1 mg/mL * "≥" means soluble, but saturation unknown.
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BIOLOGICAL ACTIVITY

Description	Calf thymus DNA (DNA from calf thymus) is high quality double-stranded template DNA isolated from the thymus of male and female calves. Calf thymus DNA can be used for the research of the interaction between DNA and agents ^[1] .
In Vitro	Calf thymus DNA interacts with the antiviral drug Lamivudine that can be studied using emission, absorption, circular dichroism (CD), and viscosity techniques ^[2] . Note: To reduce DNA shearing, sonication or agitation should not be used. It's recommended to shake gently overnight at 0-4°C to completely dissolve the DNA. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Nat Commun. 2024 Dec 5;15(1):10599.
- Biomed Pharmacother. 2024 May 21;175:116794.
- J Ethnopharmacol. 2025 Feb 11;341:119304.

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REFERENCES

- [1]. Shahabadi N, et, al. Interaction of calf thymus DNA with the antiviral drug Lamivudine. DNA Cell Biol. 2012 Jan;31(1):122-7.
- [2]. Liu F, et al. Cytotoxicity of Aconitum alkaloid and its interaction with calf thymus DNA by multi-spectroscopic techniques. Sci Rep. 2017 Nov 6;7(1):14509.

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

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