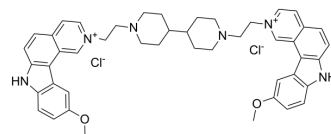


Ditercalinium chloride

Cat. No.:	HY-19587
CAS No.:	74517-42-3
Molecular Formula:	C ₄₆ H ₅₀ Cl ₂ N ₆ O ₂
Molecular Weight:	789.83
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ditercalinium chloride is an anticancer agent. Ditercalinium chloride inhibits human DNA polymerase gamma activity. Ditercalinium chloride can deplete mitochondrial DNA in both mouse and human cells. Ditercalinium chloride is a potential ligand against the COMMD10-AP3S1 fusion protein^{[1][2]}.

REFERENCES

[1]. Okamaoto M, et al. Ditercalinium chloride, a pro-anticancer drug, intimately associates with mammalian mitochondrial DNA and inhibits its replication. *Curr Genet.* 2003 Aug;43(5):364-70.

[2]. Sandhya Rai, et al. Ditercalinium chloride: A potential inhibitor targeting recurrent in frame COMMD10-AP3S1 fusions in CRCs. *Gene Reports.* 2023, 30:101739.

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

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