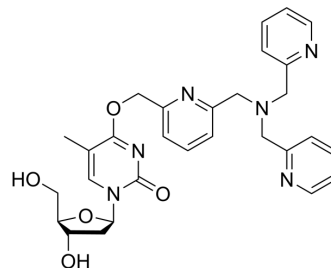


TPA-dT

Cat. No.:	HY-161436
Molecular Formula:	C ₂₉ H ₃₂ N ₆ O ₅
Molecular Weight:	544.6
Target:	Small Interfering RNA (siRNA)
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

TPA-dT is a thymidine analog with a tris[(2-pyridyl)methyl]amine (TPA) group. TPA-dT can be used to modify siRNAs. The TPA-modified siRNAs remain functionally inactive and is incapable of silencing gene expression until the TPA moiety is removed upon exposure to Cu(I)^[1].

REFERENCES

[1]. Morihiro K, et al. Copper-mediated siRNA activation for conditional control of gene expression. *Bioorg Med Chem Lett*. 2024 May 15;104:129738.

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

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