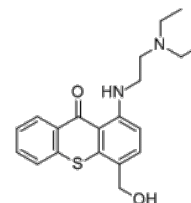


Product Name : Hycanthone
Cat. No. : PC-21907
CAS No. : 3105-97-3
Molecular Formula : C₂₀H₂₄N₂OS
Molecular Weight : 340.49
Target : DNA Repair Protein
Solubility : 10 mM in DMSO



Biological Activity

Hycanthone is a thioxanthene **DNA intercalator**, inhibits RNA synthesis as well as the DNA topoisomerases I and II, inhibits apurinic endonuclease 1 (**APE1**) incision of depurinated plasmid DNA with IC₅₀ of 80 nM. Hycanthone shows direct protein binding for APE1 with K_d of 10 nM. Hycanthone is a bioactive metabolite of Lucanthone (Cat# PC-60602).

References

Radin DP, J Pharmacol Exp Ther. 2024 Jan 31:JPET-AR-2023-002021.

Naidu MD, et al. PLoS One. 2011;6(9):e23679.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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