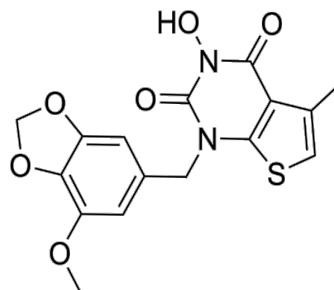


Data Sheet

WWW.UREIKO-CHEM.COM

Global Supplier of Chemical Probes, Inhibitors & Agonists

Product Name : FEN1-IN-7
Cat.No. : URK-V2502
CAS No. : 824983-90-6
Molecular Formula : $C_{16}H_{14}N_2O_6S$
Molecular Weight : 362.36
Target :
Solubility :



Biological Activity

FEN1-IN-7 is a novel, potent and selective inhibitor of Flap endonuclease 1 (FEN1), a critical enzyme involved in DNA replication and repair. FEN1-IN-7 has been shown to exhibit anticancer activity by inducing DNA damage and cell cycle arrest in various cancer cell lines.

FEN1, a structure-specific nuclease, plays an essential role in DNA replication and the maintenance of genome stability. FEN1 is involved in removing RNA primers and cleaving replication intermediates during Okazaki fragment maturation and repair processes. Evidence suggests that dysregulated FEN1 expression or activity may contribute to the development and progression of cancer, making it an attractive therapeutic target.

References

1. Zhao, Q. et.al. Discovery and optimization of quinazolinone-4-amides as potent inhibitors targeting the Flap endonuclease 1 (FEN1) for cancer therapy. *J Med Chem.* 2018 Feb 8;61(3):1311-1326
2. Zhang, Y. et al. Development of novel FEN1 inhibitors for targeted cancer therapy. *Bioorg Med Chem Lett.* 2020 Nov 1; 30(21): 127504.

Note: All products of Ureiko are only used for scientific research or drug certificate declaration, we do not provide products and services for any personal use!

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

JACK@UREIKO-CHEM.COM