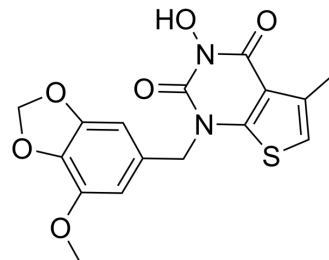


## FEN1-IN-7

Cat. No.:	HY-153792
CAS No.:	824983-90-6
Molecular Formula:	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub> O <sub>6</sub> S
Molecular Weight:	362.36
Target:	FLAP
Pathway:	Immunology/Inflammation
Storage:	4°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



## BIOLOGICAL ACTIVITY

### Description

FEN1-IN-7 (compound 16) is a selective inhibitor of Flap endonuclease-1 (FEN1, IC<sub>50</sub>=18 nM), involving in mammalian cells to repair DNA damage. FEN1-IN-7 also targets to related endonuclease, xeroderma pigmentosum G (XPG) with an IC<sub>50</sub> value of 3.04 μM. FEN1-IN-7 increases the cellular sensitivity of cancer cells to potent DNA alkylating agents or methylating agents<sup>[1]</sup>.

## REFERENCES

[1]. Tumey LN, et al. The identification and optimization of a N-hydroxy urea series of flap endonuclease 1 inhibitors. *Bioorg Med Chem Lett*. 2005 Jan 17;15(2):277-81.

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

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