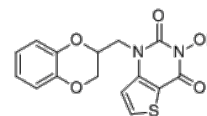


**Product Name** : FEN1-IN-1  
**Cat. No.** : PC-62300  
**CAS No.** : 824983-91-7  
**Molecular Formula** : C<sub>15</sub>H<sub>12</sub>N<sub>2</sub>O<sub>5</sub>S  
**Molecular Weight** : 332.33  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

FEN1-IN-1 (FEN1i-1, LNT1) is a potent, selective **Flap Endonuclease-1 (FEN1)** inhibitor with IC<sub>50</sub> of 11 nM, inhibits FEN1 and **EXO1** with equal potency and specificity.

FEN1-IN-1 displays 1,000-fold specificity over a related endonuclease, xeroderma pigmentosum G (XPG).

FEN1-IN-1 significantly potentiates the action of methyl methanesulfonate (MMS) and temozolamide in a bladder cancer cell line.

### References

Exell JC, et al. *Nat Chem Biol*. 2016 Oct;12(10):815-21.

Tumey LN, et al. *Bioorg Med Chem Lett*. 2005 Jan 17;15(2):277-81.

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

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