

Product Name	: FEN1 Inhibitor C2
Synonyms	: FEN1-IN-4
Cat No.	: M22114
CAS Number	: 1995893-58-7
Molecular Formula	: C ₁₂ H ₁₂ N ₂ O ₃
Formula Weight	: 232.24
Chemical Name	: —
Description	FEN1-IN-4 is an inhibitor of human flap endonuclease-1 (hFEN1). FEN1 Inhibitor C2 inhibition selectively impairs proliferation of colon cancer cells deficient in Cdc4 and Mre11a, both frequently mutated in colorectal cancers. FEN1 has also emerged as a potential chemosensitizing target due to its role in LP-BER since it is critical for repair of MMS (methyl methanesulfonate)-induced alkylation damage, and its knockdown or inhibition increases sensitivity to TMZ (temozolomide) in glioblastoma and colorectal cancer cell lines.
Pathway	: Others
Target	: Other Targets
Receptor	: hFEN1
Solubility	: DMSO: 100 mg/mL (430.59 mM; Need ultrasonic)
SMILES	: <chem>O=C1C(=O)N(CCC2CC2)C2CCCC2C1=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Jack C Exell, et al. Cellularly Active N-hydroxyurea FEN1 Inhibitors Block Substrate Entry to the Active Site. Nat Chem Biol. 2016 Oct;12(10):815-21.