

Product Name : PFM01

Synonyms : SML1735

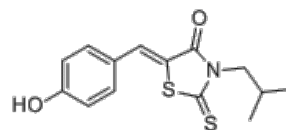
Cat No. : M12217

CAS Number : 1558598-41-6

Molecular Formula : C₁₄H₁₅NO₂S₂

Formula Weight : 293.40

Chemical Name : (5Z)-5-[(4-Hydroxyphenyl)methylene]-3-(2-methylpropyl)-2-thioxo-4-thiazolidinone



Description : PFM01 (SML1735) is a small molecule that specifically inhibits endonuclease, but not exonuclease activity of MRE11, inhibits dsDNA end resection in A549 cells with IC₅₀ of 50-75 uM, blocks the ssDNA-binding path toward the catalytic metal ions and disrupts endonuclease activity.

Pathway : Cell Cycle/DNA Damage

Target : DNA Repair Protein

Receptor : DNA Repair Protein

Solubility : —

SMILES : O=C1N(CC(C)C)C(S/C1=C\C2=CC=C(O)C=C2)=S

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Shibata A, et al. Mol Cell. 2014 Jan 9;53(1):7-18. | 2. Hengel SR, et al. Cell Chem Biol. 2017 Sep 21;24(9):1101-1119.