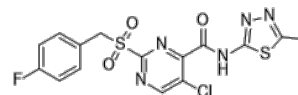


Product Name : PK11007
Cat. No. : PC-61495
CAS No. : 874146-69-7
Molecular Formula : C₁₅H₁₁ClFN₅O₃S₂
Molecular Weight : 427.85
Target : MDM2-p53
Solubility : 10 mM in DMSO



Biological Activity

PK11007 (PK 11007) is a 2-sulfonylpyrimidine compound that is a mild thiol alkylator with anticancer activity toward p53-compromised cells, stabilizes **p53** in vitro via selective alkylation.

PK11007 stabilizes p53 in vitro via selective alkylation of two surface-exposed cysteines without compromising p53 DNA binding activity.

PK11007 also induces cell death independent of p53, but with highly elevated levels of ROS and induction of ER stress.

References

Bauer MR, et al. *Proc Natl Acad Sci U S A*. 2016 Sep 6;113(36):E5271-80.

Duffy MJ, et al. *Eur J Cancer*. 2017 Sep;83:258-265.

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

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