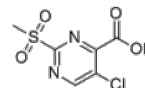


**Product Name** : PK-11007  
**Cat. No.** : PC-61495  
**CAS No.** : 874146-69-7  
**Molecular Formula** : C<sub>15</sub>H<sub>11</sub>ClFN<sub>5</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 427.85  
**Target** : MDM2-p53  
**Solubility** : 10 mM in DMSO



## Biological Activity

PK-11007 (PK11007) 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.

PK-11007 stabilizes p53 in vitro via selective alkylation of two surface-exposed cysteines without compromising p53 DNA binding activity.

PK-11007 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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