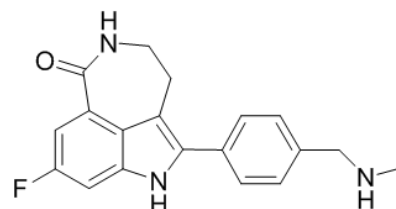


**Product Name** : Rucaparib  
**Cat. No.** : PC-42680  
**CAS No.** : 283173-50-2  
**Molecular Formula** : C<sub>19</sub>H<sub>18</sub>FN<sub>3</sub>O  
**Molecular Weight** : 323.3641  
**Target** : PARP  
**Solubility** : 10 mM in DMSO



### Biological Activity

Rucaparib (AG014699, PF-01367338) is a potent inhibitor of **PARP** with  $K_i$  of 1.4 nM for PARP1 in a cell-free assay, also showing binding affinity to eight other PARP domains.

Rucaparib (AG014699, PF-01367338) inhibits PARP-1 activity by 97.1% at a concentration of 1  $\mu$ M in permeabilised D283Med cells.

Rucaparib (AG014699, PF-01367338) enhances the antitumor activity of temozolomide and indicates complete and sustained tumor regression in NB1691 and SHSY5Y xenografts.

### References

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Daniel RA, et al. *Clin Cancer Res*, 2009, 15(4), 1241-1249.

Daniel RA, et al. *Br J Cancer*, 2010, 103(10), 1588-1596.

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

E-mail: tech@probechem.com