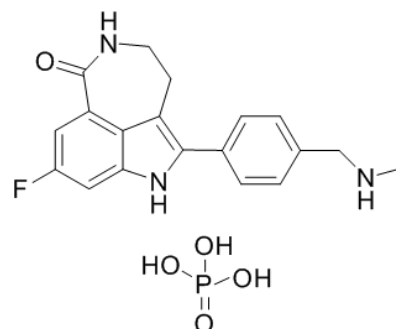


**Product Name** : Rucaparib phosphate  
**Cat. No.** : PC-42679  
**CAS No.** : 459868-92-9  
**Molecular Formula** : C<sub>19</sub>H<sub>21</sub>FN<sub>3</sub>O<sub>5</sub>P  
**Molecular Weight** : 421.3593  
**Target** : PARP  
**Solubility** : DMSO: ≥ 33 mg/mL



## Biological Activity

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

Rucaparib enhances the antitumor activity of temozolomide and indicates complete and sustained tumor regression in NB1691 and SHSY5Y xenografts.

## References

Thomas HD, et al. Mol Cancer Ther, 2007, 6(3), 945-956.

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!**

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