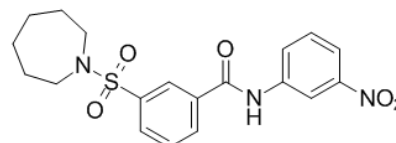


**Product Name** : AK-1  
**Cat. No.** : PC-42395  
**CAS No.** : 330461-64-8  
**Molecular Formula** : C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>O<sub>5</sub>S  
**Molecular Weight** : 403.45214  
**Target** : Sirtuin  
**Solubility** : DMSO



## Biological Activity

A potent, selective and brain-permeable SIRT2 inhibitor with IC<sub>50</sub> of 12.5 μM; induces proteasomal degradation of the Snail transcription factor through inactivation of the NF-κB/CSN2 pathway; increases the ubiquitination of HIF-1α in a VHL-dependent manner, leading to the degradation of HIF-1α via a proteasomal pathway.

## References

Luthi-Carter R, et al. Proc Natl Acad Sci U S A. 2010 Apr 27;107(17):7927-32.

Lee SD, et al. Cancer Lett. 2016 Apr 1;373(1):138-45.

Taylor DM, et al. ACS Chem Biol. 2011 Jun 17;6(6):540-6.

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

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