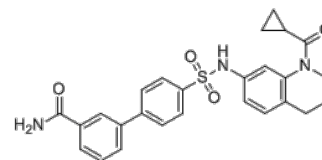


**Product Name** : SU0268  
**Cat. No.** : PC-72024  
**CAS No.** : 2210228-45-6  
**Molecular Formula** : C<sub>26</sub>H<sub>25</sub>N<sub>3</sub>O<sub>4</sub>S  
**Molecular Weight** : 475.563  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

SU0268 (SU 0268) is a potent, selective, noncovalent inhibitor DNA repair enzyme 8-oxoguanine DNA glycosylase (**OGG1**) with IC<sub>50</sub> of 59 nM.

SU0268 displays low or negligible inhibition against other repair enzymes MTH1, dUTPase, NUDT16, hABH2, hABH3, SMUG1 at 20 uM.

SU0268 shows good membrane permeability and no cytotoxicity in HEK293T and HeLa cells at active concentrations and demonstrates activity in inhibiting the enzyme in human cell lines.

SU0268 is a potentially useful tool in studies of the role of OGG1 in multiple disease-related pathways.

### References

Yu-Ki Tahara, et al. *J Am Chem Soc.* 2018 Feb 14;140(6):2105-2114.

Qin S, et al. *J Immunol.* 2020 Oct 15;205(8):2231-2242.

Zhang L, et al. *Redox Biol.* 2021 Apr;40:101848.

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

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