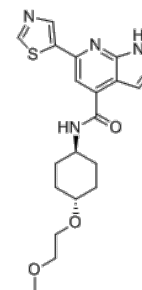


**Product Name** : MK-0159  
**Cat. No.** : PC-47057  
**CAS No.** : 2641484-61-7  
**Molecular Formula** : C<sub>20</sub>H<sub>24</sub>N<sub>4</sub>O<sub>3</sub>S  
**Molecular Weight** : 400.497  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



### Biological Activity

MK-0159 is a highly potent, orally bioavailable **CD38** enzymatic inhibitor with IC<sub>50</sub> of 3 nM (murine CD38) in in vitro assays. MK-0159 showed strong protection from myocardial damage upon cardiac I/R injury compared to those treated with NAD<sup>+</sup> precursors (nicotinamide riboside) or the known CD38 inhibitor, 78c.

### References

Bharat Lagu, et al. *J Med Chem*. 2022 Jun 28. doi: 10.1021/acs.jmedchem.2c00688.

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

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