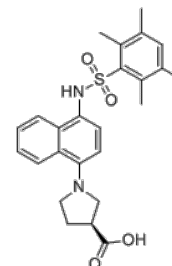


**Product Name** : RA839  
**Cat. No.** : PC-60871  
**CAS No.** : 1832713-02-6  
**Molecular Formula** : C<sub>25</sub>H<sub>28</sub>N<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 452.569  
**Target** : Keap1-Nrf2  
**Solubility** : 10 mM in DMSO



## Biological Activity

RA839 is a noncovalent small molecule binder to **Keap1** (K<sub>d</sub>=6 μM) and selective activator of **Nrf2** signaling.

RA839 binds noncovalently to the Nrf2-interacting kelch domain of Keap1, significantly regulates 105 probe sets in bone marrow-derived macrophages at 10 μM.

RA839 prevents the induction of both iNOS expression and nitric oxide release in response to lipopolysaccharides in macrophages.

RA839 acutely induces Nrf2 target gene expression in liver in mice.

## References

Winkel AF, et al. *J Biol Chem*. 2015 Nov 20;290(47):28446-55.

Nasiri HR, et al. *Bioorg Med Chem Lett*. 2016 Jan 15;26(2):526-529.

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

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