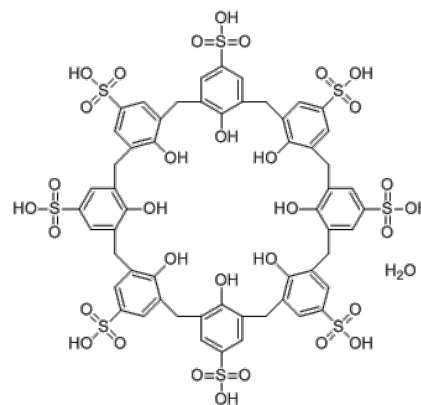


**Product Name** : 4-Sulfocalix[8]arene hydrate  
**Cat. No.** : PC-49332  
**CAS No.** : 137407-62-6  
**Molecular Formula** : C<sub>56</sub>H<sub>50</sub>O<sub>33</sub>S<sub>8</sub>  
**Molecular Weight** : 1507.5  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO  
1. Jack P Green, et al. *iScience*. 2023 Apr 27;26(5):106758.



## Biological Activity

4-Sulfonic calix[8]arene is a potent **AIM2** inflammasome inhibitor that work by binding competitively to the DNA binding site, dose dependently inhibits AIM2-dependent cell death and IL-1 $\beta$  release. 4-Sulfonic calix[8]arene shows IC<sub>50</sub> of 191 nM and 214 nM for poly dA:dT-induced cell death and IL-1 $\beta$  release, respectively. 4-Sulfonic calix[8]arene is effective at blocking dsDNA-induced inflammasome activation in LPS-primed human blood monocyte-derived macrophages (hMDMs).

## References

