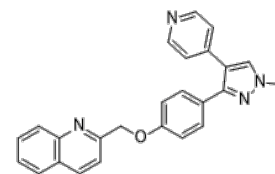


**Product Name** : MG-257  
**Cat. No.** : PC-25014  
**CAS No.** : 898562-94-2  
**Molecular Formula** : C<sub>25</sub>H<sub>20</sub>N<sub>4</sub>O  
**Molecular Weight** : 392.46  
**Target** : Other Targets  
**Solubility** : 10 mM in DMSO



CAS: 898562-94-2

### Biological Activity

MG-257 is a small molecule ligand of galectin-3, impedes interaction between TREM2 and galectin-3 with IC<sub>50</sub> of 91 nM in TR-FRET assays, attenuates TREM2 signaling.

MG-257 has dissociation constant (K<sub>d</sub>) of 0.15 uM for galectin-3 using FA assay, SPR K<sub>D</sub> of 0.29 uM.

MG-257 can impede neuroinflammation triggered by Aβ aggregates and consequently would potentially be critical in enhancing Aβ clearance.

MG-257 reduced cytokine levels in the culture medium of BV2 cells coincubated with Aβ fibrils.

### References

Gabr M, et al. ACS Med Chem Lett. 2020 Aug 11;11(9):1759-1765.

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

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