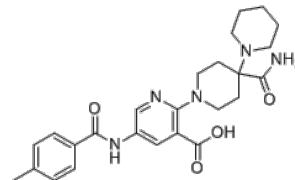


**Product Name** : BRD5529  
**Cat. No.** : PC-63321  
**CAS No.** : 1358488-78-4  
**Molecular Formula** : C<sub>25</sub>H<sub>31</sub>N<sub>5</sub>O<sub>4</sub>  
**Molecular Weight** : 465.554  
**Target** : E3 Ubiquitin Ligase  
**Solubility** : 10 mM in DMSO



### Biological Activity

BRD5529 is a small-molecule inhibitor that disrupts the interaction of **CARD9-E3 ubiquitin ligase TRIM62** with IC<sub>50</sub> of 8.6 uM.

BRD5529 directly and selectively bind CARD9, disrupts TRIM62 recruitment, inhibits TRIM62-mediated ubiquitinylation of CARD9, and demonstrates cellular activity and selectivity in CARD9-dependent pathways.

BRD5529 selectively inhibits Dectin-1- mediated CARD9 activation, while leaving LPS-activated signaling intact.

### References

Leshchiner ES, et al. *Proc Natl Acad Sci U S A*. 2017 Oct 24;114(43):11392-11397.

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

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