

Data Sheet

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Global Supplier of Chemical Probes, Inhibitors & Agonists.

 Product Name
 :
 BRD5529

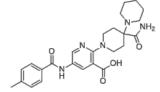
 Cat. No.
 :
 PC-63321

 CAS No.
 :
 1358488-78-4

 Molecular Formula
 :
 C₂₅H₃₁N₅O₄

 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 IC50 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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