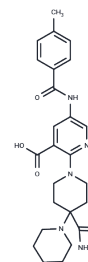


BRD5529

Chemical Properties

CAS No. : 1358488-78-4
 Formula: C₂₅H₃₁N₅O₄
 Molecular Weight: 465.54
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
 Actual storage temperature shall be subject to the COA.



Biological Description

Description	BRD5529 is a selective inhibitor of CARD9-E3 ubiquitin ligase TRIM62 protein-protein interaction (IC ₅₀ : 8.6 μM). BRD5529 directly and selectively binds CARD9, disrupts TRIM62 recruitment, inhibits TRIM62-mediated ubiquitinylation, and activation of CARD9.
Targets(IC ₅₀)	Others,E1/E2/E3 Enzyme

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.148 mL	10.7402 mL	21.4804 mL
5 mM	0.4296 mL	2.148 mL	4.2961 mL
10 mM	0.2148 mL	1.074 mL	2.148 mL
50 mM	0.043 mL	0.2148 mL	0.4296 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Leshchiner ES, et al. Small-molecule inhibitors directly target CARD9 and mimic its protective variant in inflammatory bowel disease. Proc Natl Acad Sci U S A. 2017 Oct 24;114(43):11392-11397.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481