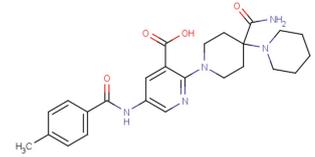


Data Sheet (Cat.No.T14777)

BRD5529

Chemical Properties

CAS No.:	1358488-78-4
Formula:	C ₂₅ H ₃₁ N ₅ O ₄
Molecular Weight:	465.54
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



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)	CARD9-E3 ubiquitin ligase TRIM62: 8.6 μM

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.148 mL	10.74 mL	21.48 mL
5 mM	0.43 mL	2.148 mL	4.296 mL
10 mM	0.215 mL	1.074 mL	2.148 mL
50 mM	0.043 mL	0.215 mL	0.43 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. 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.

Inhibitors · Natural Compounds · Compound Libraries

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