

Product Data Sheet

Product Name: BRD5529

Cat. No.: GC39622

Chemical Properties

Cas. No. 1358488-78-4

SMILES O=C(C1=CC(NC(C2=CC=C(C)C=C2)=O)=CN=C1N3CCC(N4CCCCC4)(C(N)=O)CC3)O

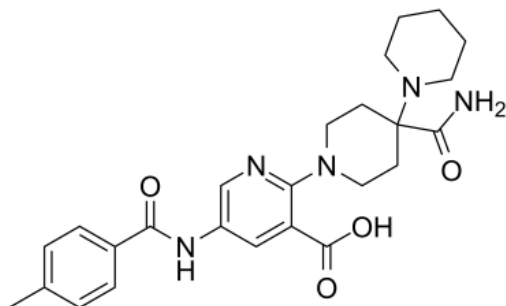
Formula $C_{25}H_{31}N_5O_4$ M.Wt 465.54

Solubility DMSO: 250 mg/mL (537.01 mM) Storage Store at -20°C

General For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT, or Condition blue ice upon request.

Structure



Background

BRD5529 is a selective CARD9-E3 ubiquitin ligase TRIM62 protein-protein interaction inhibitor with an IC₅₀ of 8.6 μM. BRD5529 directly and selectively binds CARD9, disrupts TRIM62 recruitment, inhibits TRIM62-mediated ubiquitinylation and activation of CARD9, and demonstrates cellular activity and selectivity in CARD9-dependent pathways[1].

[1]. Leshchiner ES, et al. Small-molecule inhibitors directly target CARD9 and mimic its protective

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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variant in inflammatory bowel disease. Proc Natl Acad Sci U S A. 2017 Oct 24;114(43):11392-11397.

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