
Product Data Sheet

Product Name: SNIPER(BRD)-1

Cat. No.: GC65574

Chemical Properties

Cas. No. 2095244-54-3

Formula C₅₃H₆₆CIN₉O₈S₂

M.Wt 1056.73

Solubility DMSO : 100 mg/mL (94.63 mM; Need ultrasonic)

Storage Store at -20°C, stored under nitrogen

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

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

Structure

Protocol

BRD4 cIAP1 cIAP2 XIAP SNIPER

6.8nM(IC₅₀) 17nM(IC₅₀) 49nM(Ki)

Background

SNIPER(BRD)-1, consists of an IAP antagonist LCL-161 derivative and a BET inhibitor, (+)-JQ-1, connected by a linker. SNIPER(BRD)-1 induces the degradation of BRD4 via the ubiquitin-proteasome pathway. SNIPER(BRD)-1 also degrades cIAP1 , cIAP2 and XIAP with IC₅₀s of 6.8 nM, 17 nM, and 49nM, respectively[1].

[1]. Ohoka N, et al. Different Degradation Mechanisms of Inhibitor of Apoptosis Proteins (IAPs) by the Specific and Nongenetic IAP-Dependent Protein Eraser (SNIPER). Chem Pharm Bull (Tokyo). 2019 Mar 1;67(3):203-209.

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

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