

Product Data Sheet

Product Name: BRD9539

Cat. No.: GC32988

Chemical Properties

Cas. No. 1374601-41-8

SMILES O=C(C1=CC=C2C(N=C(NC(C3=CC=CC=C3)=O)N2CCCC4=CC=CC=C4)=C1)O

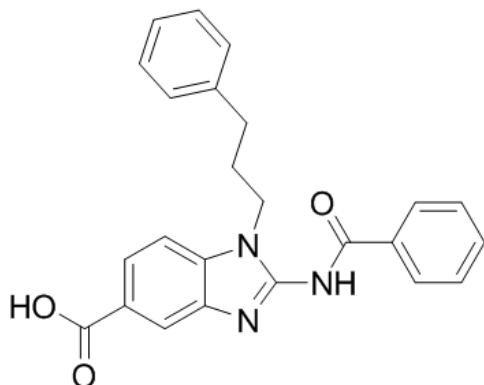
Formula $C_{24}H_{21}N_3O_3$ M.Wt 399.44

Solubility DMSO : ≥ 35 mg/mL (87.62 mM) Storage Store at -20°C

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



Background

BRD9539 inhibits G9a activity with an IC_{50} of $6.3\ \mu\text{M}$, inhibits PRC2 activity with a similar IC_{50} . target: G9a, PRC2; IC_{50} : $6.3\ \mu\text{M}$ (G9a), $6.3\ \mu\text{M}$ (PRC2); BRD9539 is a more potent biochemical inhibitor than its methyl-ester analogue BRD4770, with 20% remaining G9a activity compared to 45% of BRD4770 at screening concentration.

[1]. Yuan Y et al. A small-molecule probe of the histone methyltransferase G9a induces cellular senescence in pancreatic adenocarcinoma. ACS Chem Biol. 2012 Jul 20;7(7):1152-7.

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

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