

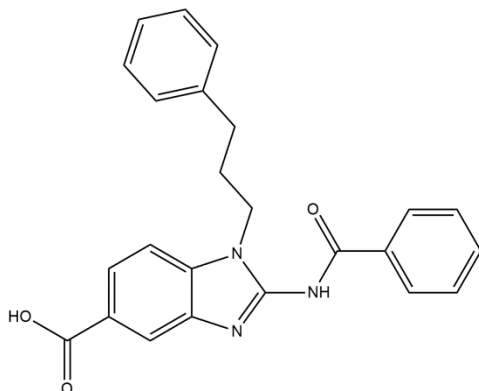
BRD9539

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ALTERNATE NAME: BRD9539, 2-benzamido-1-(3-phenylpropyl)benzimidazole-5-carboxylic acid

CATALOG #: B2810-1 1 mg
B2810-5 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₄H₂₁N₃O₃

MOLECULAR WEIGHT: 399.44

CAS NUMBER: 1374601-41-8

APPEARANCE: Crystalline solid

PURITY: ≥98%

SOLUBILITY: 0.5 mg/ml in Ethanol
10 mg/ml in DMSO and DMF

DESCRIPTION: BRD9539 is a specific inhibitor of euchromatin histone methyltransferase G9a (EHMT2). EHMT2 catalyzes the methylation of lysine 9 on histone H3. BRD9539 inhibits EHMT2 with an IC₅₀ of 6.3 μM. It also inhibits methyl transferase PRC2 with a similar IC₅₀. It is the methyl-ester analogue of BRD4770. It is more potent than BRD4770 in enzyme assays but does not show activity in cell-based assays, probably due to impaired cell permeability compared to that of BRD4770.

STORAGE TEMPERATURE: -20°C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

A-366 (Cat. No. 2859)
UNC0379 (Cat. No. 9588)
BIX 01294 (Cat. No. 1678)
BRD4770 (Cat. No. 9525)
Chaetocin (Cat. No. 2283)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*