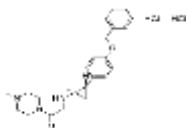


PRODUCT: RN 1 dihydrochloride

ALTERNATE NAMES: 1-(4-methyl-1-piperazinyl)-2-[[[(1*R**,2*S**)-2-[4-phenylmethoxy)phenyl]cyclopropyl]amino]ethanone dihydrochloride

CATALOG NUMBER: B2080-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₃H₂₉N₃O₂·2HCl

MOLECULAR WEIGHT: 452.42

CAS NUMBER: 1781835-13-9

APPEARANCE: White solid

SOLUBILITY: DMSO (~8 mg/ml) or H₂O (~8 mg/ml)

PURITY: ≥97%

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: RN 1 dihydrochloride is a potent, cell-permeable, lysine specific demethylase 1 (LSD1) inhibitor (IC₅₀ = 70 nM). Displays selectivity for LSD1 over MAO-A and MAO-B (IC₅₀ values are 0.51 and 2.79 μM for MAO-A and MAO-B, respectively). Impairs long-term, but not short-term memory in mice.

REFERENCES: Neelamegam, R., *et al.* (2012). *ACS Chem. Neurosci.* **3**, 120-128.

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. 2859-1, 5)

AMI-1 (Cat. No. 1943-5, 25)

Aza-2'-deoxycytidine (Cat. No. 1754-10, 50)

BAZ2-ICR (B1865)

BI-7273 (B1879)

BI-9564 (B1880)

BIX01294 (Cat. No. 1678-5, 25)

Bromodomain Inhibitor, (+)-JQ1 (Cat. No. 2070-1, 5)

BRD4770 (Cat. No. 9525-5, 25)

DP-38003 dihydrochloride (Cat. No. B1958-5,25)

EZSolution™ (+)-JQ1 (Cat. No. 2091-1)

3-Deazaneplanocin (Cat. No. 2060-250, 1000)

2'-Deoxy-5-fluorocytidine (Cat. No. 2387-50, 250)

EPZ-015666 (Cat. No. 9510-1,5)

EPZ011989 (Cat. No. B1221-5,25)

Lomeguatrib (Cat. No. 2224-5, 25)

Mivebresib (Cat. No. B1564-5,25)

Nanaomycin A (Cat. No. 2790-5, 25)

ORY-1001 (Cat. No. B1957-5,25)

RG108 (Cat. No. 1679-10, 30)

RN 1 dihydrochloride (Cat. No. B2080-5,25)

SGI-1027 (Cat. No. 2726-5, 25)

UNC0638 (Cat. No. 1933-1, 5)

UNC0642 (Cat. No. 2862-5, 25)

Zebularine (Cat. No. 2225-1,

USAGE: **FOR RESEARCH USE ONLY! Not to be used in humans**