

Datasheet for ABIN7233256

GSK2879552[Go to Product page](#)**1** Image

Overview

Quantity: 5 mg

Application: Inhibition (Inh)

Product Details

Purpose: Lysine Demethylase inhibitor

Characteristics: GSK289552 is potent, selective, and irreversible inhibitor of Lysine Demethylase 1 (LSD1) via covalent modification of the LSD1 cofactor FAD ($K_i = 1.7 \mu\text{M}$). It is selective for LSD1 over the closely related LSD2, MAO-A, MAO-B, and the FAD dependent enzymes D-amino acid oxidase and glutathione reductase. Tested against a panel of 165 cancer cell lines, GSK2879552 inhibited the proliferation of 9 small cell lung carcinoma lines and 20 AML cell lines.

Purity: >98 %

Chemical Name: 4-[[4-[[[(1R,2S)-2-Phenylcyclopropyl]amino]methyl]-1-piperidinyl]methyl]benzoic acid dihydrochloride

Formula: $\text{C}_{23}\text{H}_{28}\text{N}_2\text{O}_2 \cdot 2\text{HCl}$

Solubility: Soluble in DMSO (up to 25 mg/ml) and in Water (up to at least 25 mg/ml)

Target Details

Background: Epigenetics,Proliferation,Protein demethylase,Cancer,Posttranslational modification,Chromatin

Molecular Weight: 437.40

CAS-No: 1401966-69-5

Application Details

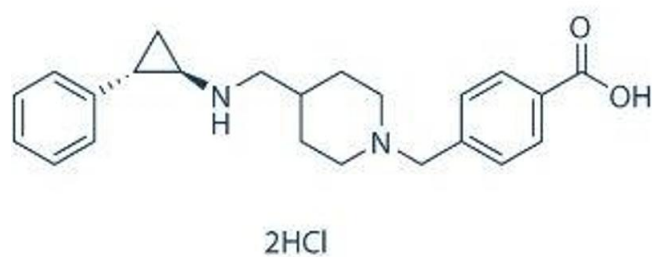
Restrictions: For Research Use only

Handling

Format: Powder

Storage: -20 °C

Images



Molecule

Image 1. /