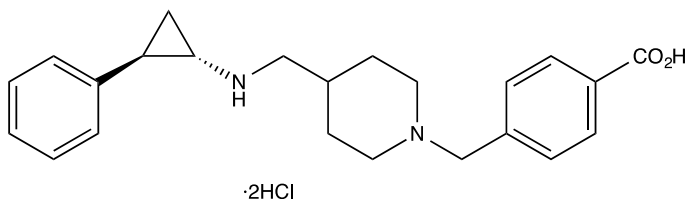


Catalog # 10-4020

GSK2879552

CAS# 1401966-69-5 (free base)

4-[[4-[[[(1R,2S)-2-Phenylcyclopropyl]amino]methyl]-1-piperidinyl]methyl]benzoic acid dihydrochloride
Lot # FBS1071



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.

- 1) Mohammad *et al.* (2015), *A DNA Hypomethylation Signature Predicts Antitumor Activity of LSD1 Inhibitors in SCLC*; Cancer Cell **28** 57

PHYSICAL DATA

Molecular Weight:	437.40
Molecular Formula:	$\text{C}_{23}\text{H}_{28}\text{N}_2\text{O}_2 \cdot 2\text{HCl}$
Purity:	98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (25 mg/ml) and water (>25 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO or water may be stored at -20°C for up to 3 months.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.