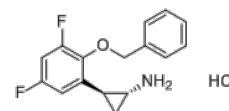


Product Name : S-2101
Cat. No. : PC-61645
CAS No. : 1239262-36-2
Molecular Formula : C₁₆H₁₅F₂NO.HCl
Molecular Weight : 311.75
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

S-2101 is a potent lysine-specific demethylase 1 (**LSD1**) inhibitor with K_i of 0.61 μ M.

S-2101 displays weaker inhibition to MAO-B and MAO-A compared with Tranylcypromine (2-PCPA).

S-2101 protects against cisplatin-induced hair cell loss by preventing demethylation of histone H3K4 (H3K4me2).

S-2101 induces cytotoxicity in ovarian cancer lines.

References

Mimasu S, et al. *Biochemistry*. 2010 Aug 3;49(30):6494-503.

Konovalov S, et al. *J Ovarian Res*. 2013 Oct 29;6(1):75.

He Y, et al. *Mol Neurobiol*. 2015 Aug;52(1):196-205.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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