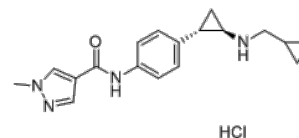


Product Name : T-3775440 hydrochloride
Cat. No. : PC-60265
CAS No. : 1422535-52-1
Molecular Formula : C₁₈H₂₃ClN₄O
Molecular Weight : 346.859
Target : Histone Demethylase
Solubility : 10 mM in DMSO



Biological Activity

T-3775440 hydrochloride (T 3775440, T3775440) is a potent, selective, irreversible **LSD1** inhibitor with IC₅₀ of 2.1 nM. T-3775440 displays high selectivity for LSD1 relative to other monoamine oxidases (e.g., MAO-A and MAO-B). T-3775440 disrupts the interaction between LSD1 and growth factor-independent 1B (GFI1B) in leukemia cell lines. T-3775440 exhibits significant antitumor efficacy in AEL and AMKL xenograft models.

References

Takagi S, et al. *Cancer Res.* 2017 Jun 30. pii: canres.3502.2016.
Ishikawa Y, et al. *Mol Cancer Ther.* 2017 Feb;16(2):273-284.

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

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