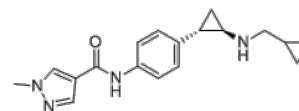


**Product Name** : T-3775440  
**Cat. No.** : PC-60264  
**CAS No.** : 1422620-34-5  
**Molecular Formula** : C<sub>18</sub>H<sub>22</sub>N<sub>4</sub>O  
**Molecular Weight** : 310.401  
**Target** : Histone Demethylase  
**Solubility** : 10 mM in DMSO



## Biological Activity

T-3775440 (T 3775440, T3775440) is a novel potent, selective, irreversible **LSD1** inhibitor with IC<sub>50</sub> 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, 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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