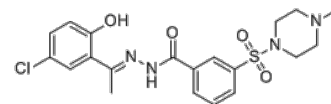


**Product Name** : Seclidemstat  
**Cat. No.** : PC-61398  
**CAS No.** : 1423715-37-0  
**Molecular Formula** : C<sub>20</sub>H<sub>23</sub>ClN<sub>4</sub>O<sub>4</sub>S  
**Molecular Weight** : 450.938  
**Target** : Histone Demethylase  
**Solubility** : 10 mM in DMSO



### Biological Activity

Seclidemstat (SP-2577, SP2577) is a potent, selective and reversible **LSD1** inhibitor with IC<sub>50</sub> of 13 nM in biochemical assays.

SP-2577 inhibits SWI/SNF-mutation-dependent tumor cell proliferation with IC<sub>50</sub> of 0.529 μM for COV434 (SMARCA4).

SP-2577 promotes ERV expression, activates the dsRNA-induced IFN pathway, and enhances T-cell infiltration in SCCOHT.

SP-2577 also promotes PD-L1 expression, and thus can potentially overcome resistance to anti-PD-1 therapy in SCCOHT.

### References

Patent WO/2017/004519 A1.

2. Soldi R, et al. **PLoS One**. 2020 Jul 10;15(7):e0235705.

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

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