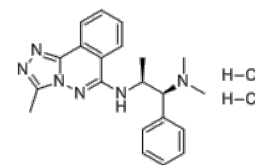


**Product Name** : L-Moses dihydrochloride  
**Cat. No.** : PC-20178  
**CAS No.** : 2079885-05-3  
**Molecular Formula** : C<sub>21</sub>H<sub>26</sub>Cl<sub>2</sub>N<sub>6</sub>  
**Molecular Weight** : 433.38  
**Target** : Bromodomain  
**Solubility** : 10 mM in DMSO



## Biological Activity

L-Moses dihydrochloride (L-45) is a potent, selective, and cell-active PCAF (**KAT2B**) bromodomain inhibitor with K<sub>i</sub> of 47 nM in HTRF assays, >4,500-fold selectivity over BRD4.

L Moses disrupts PCAF-Brd histone H3.3 interaction in cells using a nanoBRET assay, shows high selectivity for PCAF and GCN5 bromodomain (K<sub>d</sub>=600 nM).

L Moses shows no observable cytotoxicity in PBMCs, good cell-permeability, and metabolic stability in human and mouse liver microsomes.

## References

Moustakim M, et al. Angew Chem Int Ed Engl. 2017 Jan 16;56(3):827-831.

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

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