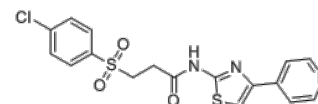


**Product Name** : BRD7586  
**Cat. No.** : PC-49532  
**CAS No.** : 895460-70-5  
**Molecular Formula** : C<sub>17</sub>H<sub>14</sub>ClN<sub>3</sub>O<sub>3</sub>S<sub>2</sub>  
**Molecular Weight** : 407.887  
**Target** : CRISPR/Cas9  
**Solubility** : 10 mM in DMSO



### Biological Activity

BRD7586 (BRD 7586) is a potent, cell-permeable small-molecule inhibitor of **SpCas9** with K<sub>d</sub> value of 0.52 μM.

BRD7586 enhanced SpCas9 specificity and its activity was independent of the genomic loci, DNA-repair pathway or mode of nuclease delivery.

### References

Donghyun Lim, et al. **Nat Cell Biol.** 2022 Nov 17. doi: 10.1038/s41556-022-01005-8.

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

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