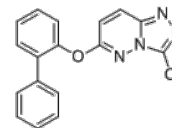


**Product Name** : STL1267  
**Cat. No.** : PC-20752  
**CAS No.** : 1429024-58-7  
**Molecular Formula** : C<sub>17</sub>H<sub>11</sub>ClN<sub>4</sub>O  
**Molecular Weight** : 322.75  
**Target** : Rev-ErbA  
**Solubility** : 10 mM in DMSO



CAS: 1429024-58-7

## Biological Activity

STL1267 is a specific, high affinity synthetic agonist of nuclear receptor **REV-ERB** with EC<sub>50</sub> of 0.13  $\mu$ M and K<sub>i</sub> of 0.16  $\mu$ M, binds directly to the ligand binding domain (LBD) of REV-ERB.

STL1267 is more than ten times greater than SR9009 (EC<sub>50</sub> = 1.9  $\mu$ M).

STL1267 binds to REV-ERB, resulting the recruitment of NCoR and regulation of downstream target genes.

STL1267 displays no activity against a range of NRs including AR, GR, MR, PR, ER $\alpha$ , ER $\beta$ , TR $\alpha$ , LXR $\alpha$ , RAR $\alpha$ , RXR $\alpha$ , FXR, and VDR.

STL1267 can successfully crosses the blood brain barrier, STL1267 is a valuable tool compound for studying REV-ERB function both in vitro and in vivo.

## References

Meghan H Murray, et al. *Nat Commun.* 2022 Nov 21;13(1):7131.

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

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