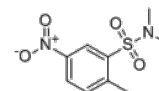


**Product Name** : BRL-50481  
**Cat. No.** : PC-61339  
**CAS No.** : 433695-36-4  
**Molecular Formula** : C<sub>9</sub>H<sub>12</sub>N<sub>2</sub>O<sub>4</sub>S  
**Molecular Weight** : 244.267  
**Target** : Phosphodiesterase (PDE)  
**Solubility** : 10 mM in DMSO



## Biological Activity

BRL-50481 (BRL50481) is a potent and selective, competitive **PDE7** inhibitor with K<sub>i</sub> of 180 nM, displays >200-fold selectivity over PDE1B/1C/2/3/4A/5.

BRL-50481 inhibits TNF $\alpha$  generation, demonstrates pharmacological activity on proinflammatory responses in human blood monocytes, lung macrophages, and CD8<sup>+</sup> T-lymphocytes.

BRL-50481 induces anxiolytic and anorexigenic like behavior in rats.

## References

Smith SJ, et al. *Mol Pharmacol*. 2004 Dec;66(6):1679-89.

Pekkinen M, et al. *Bone*. 2008 Jul;43(1):84-91.

Valdés-Moreno MI, et al. *Behav Brain Res*. 2017 Feb 15;319:165-173.

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

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