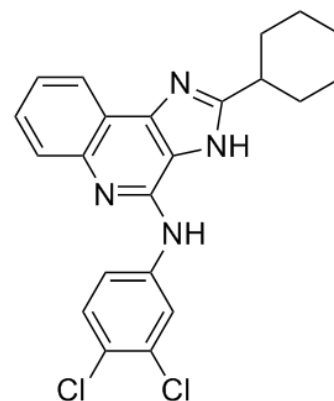


**Product Name** : LUF6000  
**Cat. No.** : PC-43415  
**CAS No.** : 890087-21-5  
**Molecular Formula** : C<sub>22</sub>H<sub>20</sub>Cl<sub>2</sub>N<sub>4</sub>  
**Molecular Weight** : 411.327  
**Target** : Adenosine Receptor  
**Solubility** : 10 mM in DMSO



### Biological Activity

LUF6000 is a potent, selective, positive allosteric modulator (enhancer) of human **A3 adenosine receptor**, enhance E<sub>max</sub> but without affecting agonist potency.

LUF6000 enhance sagonist efficacy in a functional assay by 45% and decreases dissociation rate similarly without influencing agonist potency.

LUF6000 is superior to that of DU124183.

### References

Göblyös A, et al. J Med Chem. 2006 Jun 1;49(11):3354-61.

Gao ZG, et al. BMC Pharmacol. 2008 Dec 12;8:20.

Gao ZG, et al. Biochem Pharmacol. 2011 Sep 15;82(6):658-68.

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

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