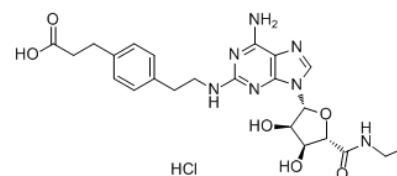


**Product Name** : CGS21680 hydrochloride  
**Cat. No.** : PC-43386  
**CAS No.** : 124431-80-7  
**Molecular Formula** : C<sub>23</sub>H<sub>30</sub>ClN<sub>7</sub>O<sub>6</sub>  
**Molecular Weight** : 535.9806  
**Target** : Adenosine Receptor  
**Solubility** : DMSO: ≥ 20 mg/mL



## Biological Activity

CGS 21680 hydrochloride is a specific **adenosine A2A** subtype receptor agonist with K<sub>i</sub> of 27 nM. CGS 21680 significantly upregulates CD39 and CD73 expression, accelerates the ATP hydrolysis and adenosine generation. CGS 21680 reduces the number of infiltrated granulocytes into the ischemic tissue in rat model of transient cerebral ischemia.

## References

- Nekooeian AA, et al. *Br J Pharmacol*. 1998 Apr;123(8):1666-72.  
Phillis JW, et al. *Brain Res*. 1990 Feb 19;509(2):328-30.  
Komaki S, et al. *Neurosci Lett*. 2012 Jul 26;522(1):21-4.  
Melani A, et al. *Brain Res*. 2014 Mar 10;1551:59-72.

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

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