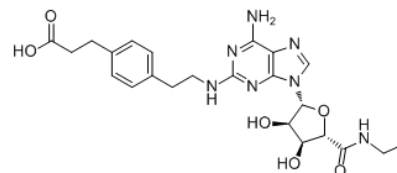


Product Name : CGS 21680
Cat. No. : PC-43385
CAS No. : 120225-54-9
Molecular Formula : C₂₃H₂₉N₇O₆
Molecular Weight : 499.5197
Target : Adenosine Receptor
Solubility : 10 mM in DMSO



Biological Activity

CGS 21680 is a specific **adenosine A_{2A}** subtype receptor agonist with K_i 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

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- 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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