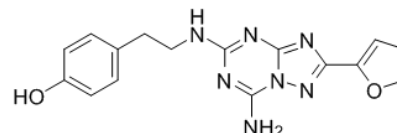


Product Name : ZM241385
Cat. No. : PC-45641
CAS No. : 139180-30-6
Molecular Formula : C₁₆H₁₅N₇O₂
Molecular Weight : 337.336
Target : Adenosine Receptor
Solubility : DMSO: ≥ 30 mg/mL



Biological Activity

ZM241385 is a potent, non-xanthine **A2A-selective adenosine receptor (A2AR)** antagonist with rat PC12 binding pIC₅₀ of 9.52.

ZM241385 shows low affinity for A₃ receptors (pIC₅₀=3.82).

ZM241385 antagonizes vasodilatation of the coronary bed produced by 2-CADO and CGS21680 with pA₂ of 8.57 and 9.02, respectively, in guinea-pig isolated Langendorff hearts.

ZM241385 selectively attenuates the mean arterial blood pressure response produced by exogenous adenosine in conscious spontaneously hypertensive rats (3-10 mg/kg, p.o.).

References

Poucher SM, et al. *Br J Pharmacol.* 1995 Jul;115(6):1096-102.

Guo D, et al. *ChemMedChem.* 2014 Apr;9(4):752-61.

Poucher SM, et al. *J Pharm Pharmacol.* 1996 Jun;48(6):601-6.

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

E-mail: tech@probechem.com