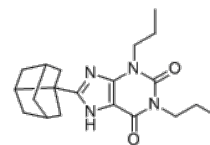


Product Name : Rolofylline
Cat. No. : PC-61328
CAS No. : 136199-02-5
Molecular Formula : C₂₀H₂₈N₄O₂
Molecular Weight : 356.46
Target : Adenosine Receptor
Solubility : 10 mM in DMSO



Biological Activity

Rolofylline (KW-3902) is a potent, selective and orally active **adenosine A1 receptor** antagonist with K_i of 1.3 nM.

Rolofylline (KW3902) displays 290-fold selectivity over A2AR.

Rolofylline (KW3902) antagonizes NECA-induced bradycardic response in anesthetized rats (0.1-1mg/kg), causes significant increases of urine volume and sodium excretion with little change of potassium excretion in saline-loaded normal rats (0.001-1 mg/kg).

References

Mizumoto H, et al. *J Pharmacol Exp Ther.* 1993 Jul;266(1):200-6.

Shimada J, et al. *J Med Chem.* 1992 Mar 6;35(5):924-30.

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

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