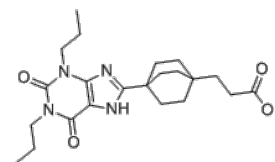


Product Name : Tonapofylline
Cat. No. : PC-60741
CAS No. : 340021-17-2
Molecular Formula : C₂₂H₃₂N₄O₄
Molecular Weight : 416.522
Target : Adenosine Receptor
Solubility : 10 mM in DMSO



Biological Activity

Tonapofylline (BG9928) is a potent, selective and orally bioavailable adenosine A1 (**A1A**) receptor antagonist with K_i of 7 nM.

Tonapofylline (BG9928) displays 915-fold selectivity over A2A receptor, 12-fold over A2B receptor.

Tonapofylline (BG9928) increases sodium excretion and cause natriuresis without causing kaliuresis or reducing renal function.

References

Auchampach JA, et al. *J Pharmacol Exp Ther*. 2004 Mar;308(3):846-56.

Kiesman WF, et al. *J Med Chem*. 2006 Nov 30;49(24):7119-31.

Greenberg B, et al. *J Am Coll Cardiol*. 2007 Aug 14;50(7):600-6.

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

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