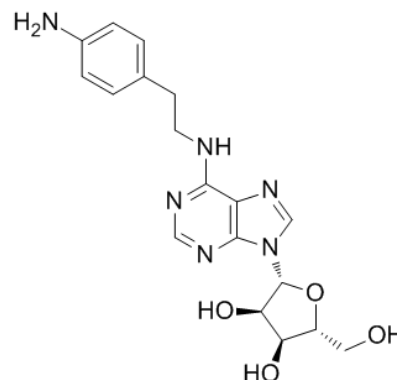


Product Name : APNEA
Cat. No. : PC-45527
CAS No. : 89705-21-5
Molecular Formula : C₁₈H₂₂N₆O₄
Molecular Weight : 386.4051
Target : Adenosine Receptor
Solubility : 10 mM in DMSO



Biological Activity

APNEA is a non-selective agonist of **adenosine A3 receptor**, has a high affinity for the adenosine A1 and A3 receptors. APNEA (0.0039-1 mg/kg) enhances the protective activity of carbamazepine. APNEA dose-dependently increase the sustained (4 min) Ca²⁺ influx into rat cortical synaptosomes.

References

- Borowicz KK, et al. Eur J Pharmacol. 1997 May 30;327(2-3):125-33.
Hannon JP, et al. J Pharmacol Exp Ther. 2002 Aug;302(2):725-30.
Li SN, et al. Neurochem Res. 2000 Apr;25(4):457-9.

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

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