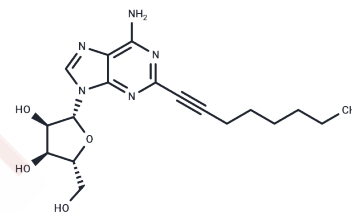


YT 146

Chemical Properties

CAS No. : 90596-75-1
 Formula: C₁₈H₂₅N₅O₄
 Molecular Weight: 375.42
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	YT 146 is a selective adenosine receptor A2 agonist with cardioprotective and vasodilatory effects that inhibits neointimal thickening after endothelial injury in rat femoral arteries.
Targets(IC50)	Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6637 mL	13.3184 mL	26.6368 mL
5 mM	0.5327 mL	2.6637 mL	5.3274 mL
10 mM	0.2664 mL	1.3318 mL	2.6637 mL
50 mM	0.0533 mL	0.2664 mL	0.5327 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Ono T, et al. Effects of YT-146 [2-(1-octynyl) adenosine], an adenosine A2A receptor agonist, on cAMP production and noradrenaline release in PC12 cells. *Jpn J Pharmacol.* 1998 Nov;78(3):269-77.
- Abiru T, et al. Differential vasodilatory action of 2-octynyladenosine (YT-146), an adenosine A2 receptor agonist, in the isolated rat femoral artery and vein. *Eur J Pharmacol.* 1995 Jul 25;281(1):9-15.
- Sasamori J, et al. Effects of 2-Octynyladenosine (YT-146) on Mitochondrial Function in Ischemic/Reperfused Rat Hearts. *Biol Pharm Bull.* 2015;38(12):1946-53.
- Iwamoto T, et al. Antihypertensive effects of 2-octynyladenosine (YT-146), a selective adenosine A2 receptor agonist, in Dahl salt-sensitive rats. *Am J Hypertens.* 1994 Nov;7(11):984-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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