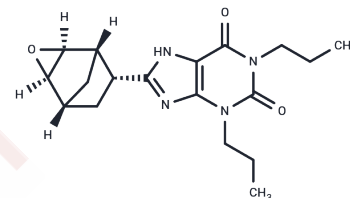


Adentri

Chemical Properties

CAS No. : 166374-48-7
 Formula: C₁₈H₂₄N₄O₃
 Molecular Weight: 344.41
 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	Adentri is a novel antagonist of adenosine A1 receptor with unique diuretic activity.
Targets(IC50)	Others, Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9035 mL	14.5176 mL	29.0352 mL
5 mM	0.5807 mL	2.9035 mL	5.807 mL
10 mM	0.2904 mL	1.4518 mL	2.9035 mL
50 mM	0.0581 mL	0.2904 mL	0.5807 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

- Gellai M, Schreiner GF, Ruffolo RR Jr, Fletcher T, DeWolf R, Brooks DP. CVT-124, a novel adenosine A1 receptor antagonist with unique diuretic activity. *J Pharmacol Exp Ther.* 1998 Sep;286(3):1191-6. PubMed PMID: 9732378.
- Herr RJ, Vogt PF, Meckler H, Trova MP, Schow SR, Petter RC. Preparation of 8-substituted xanthine CVT-124 precursor by late stage pyrimidine ring closure. *J Org Chem.* 2002 Jan 11;67(1):188-93. PubMed PMID: 11777458.
- Gottlieb SS, Brater DC, Thomas I, Havranek E, Bourge R, Goldman S, Dyer F, Gomez M, Bennett D, Ticho B, Beckman E, Abraham WT. BG9719 (CVT-124), an A1 adenosine receptor antagonist, protects against the decline in renal function observed with diuretic therapy. *Circulation.* 2002 Mar 19;105(11):1348-53. Erratum in: *Circulation* 2002 Sep 24;106(13):1743. PubMed PMID: 11901047.
- Gottlieb SS, Skettino SL, Wolff A, Beckman E, Fisher ML, Freudenberger R, Gladwell T, Marshall J, Cines M, Bennett D, Liittschwager EB. Effects of BG9719 (CVT-124), an A1-adenosine receptor antagonist, and furosemide on glomerular filtration rate and natriuresis in patients with congestive heart failure. *J Am Coll Cardiol.* 2000 Jan;35(1):56-9. PubMed PMID: 10636259.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481