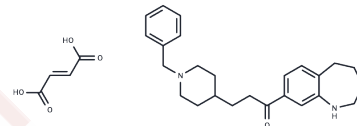


Zanapezil fumarate

Chemical Properties

CAS No. :	263248-42-6
Formula:	C ₂₉ H ₃₆ N ₂ O ₅
Molecular Weight:	492.61
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	Zanapezil is an acetylcholinesterase (AChE) inhibitor. Zanapezil increases choline acetyltransferase activity in cultured rat septal cholinergic neurons.
Targets(IC50)	Others,Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.030 mL	10.150 mL	20.300 mL
5 mM	0.406 mL	2.030 mL	4.060 mL
10 mM	0.203 mL	1.015 mL	2.030 mL
50 mM	0.0406 mL	0.203 mL	0.406 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

- Hatip-Al-Khatib I, Iwasaki K, Yoshimitsu Y, Arai T, Egashira N, Mishima K, Ikeda T, Fujiwara M. Effect of oral administration of zanapezil (TAK-147) for 21 days on acetylcholine and monoamines levels in the ventral hippocampus of freely moving rats. *Br J Pharmacol.* 2005 Aug;145(8):1035-44. PubMed PMID: 15951830; PubMed Central PMCID: PMC1576235.
- Zhang LS, Jin CL, Li Q, Sun YC, Chen Z. [Influence of chronic epilepsy on spatial memory retrieval in rats]. *Zhejiang Da Xue Xue Bao Yi Xue Ban.* 2004 May;33(3):205-8. Chinese. PubMed PMID: 15179678.
- Hatip-Al-Khatib I, Takashi A, Egashira N, Iwasaki K, Fujiwara M. Comparison of the effect of TAK-147 (zanapezil) and E-2020 (donepezil) on extracellular acetylcholine level and blood flow in the ventral hippocampus of freely moving rats. *Brain Res.* 2004 Jun 25;1012(1-2):169-76. PubMed PMID: 15158174.
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