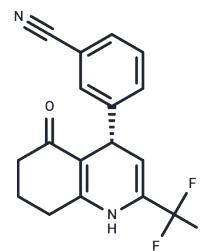


ZD-0947

Chemical Properties

CAS No. : 172649-40-0
 Formula: C₁₇H₁₃F₃N₂O
 Molecular Weight: 318.29
 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	ZD-0947, a K(ATP) channel activator, is used potentially for the treatment of overactive bladder (OAB).
Targets(IC50)	Others,Potassium Channel

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1418 mL	15.7089 mL	31.4179 mL
5 mM	0.6284 mL	3.1418 mL	6.2836 mL
10 mM	0.3142 mL	1.5709 mL	3.1418 mL
50 mM	0.0628 mL	0.3142 mL	0.6284 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

- Mori K, Yamashita Y, Teramoto N. Effects of ZD0947, a novel and potent ATP-sensitive K(+) channel opener, on smooth muscle-type ATP-sensitive K(+) channels. *Eur J Pharmacol.* 2016 Nov 15;791:773-779. doi: 10.1016/j.ejphar.2016.09.038. PubMed PMID: 27693800.
- Yunoki T, Zhu HL, Iwasa K, Tomoda T, Aishima M, Shibata A, Naito S, Teramoto N. Comparative studies of ZD0947, a novel ATP-sensitive K(+) channel opener, on guinea pig detrusor and aortic smooth muscles. *Naunyn Schmiedebergs Arch Pharmacol.* 2008 Jan;376(5):309-19. PubMed PMID: 18071674.
- Aishima M, Tomoda T, Yunoki T, Nakano T, Seki N, Yonemitsu Y, Sueishi K, Naito S, Ito Y, Teramoto N. Actions of ZD0947, a novel ATP-sensitive K+ channel opener, on membrane currents in human detrusor myocytes. *Br J Pharmacol.* 2006 Nov;149(5):542-50. PubMed PMID: 17016513; PubMed Central PMCID: PMC2014675.
- Abdel-Karim AM, Bialecki RA, Elhilali MM. Effects of ZD6169 and ZD0947, 2 potassium adenosine triphosphate channel openers, on bladder function of spinalized rats. *J Urol.* 2002 Aug;168(2):837-42. PubMed PMID: 12131377.

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