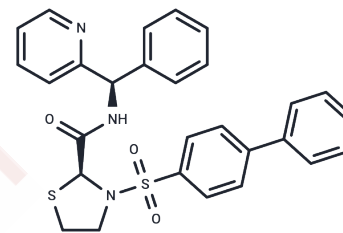


AS604872

## Chemical Properties

CAS No. : 612532-48-6  
 Formula: C<sub>28</sub>H<sub>25</sub>N<sub>3</sub>O<sub>3</sub>S<sub>2</sub>  
 Molecular Weight: 515.65  
 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	AS604872 is a selective antagonist of the FP receptor.. AS604872 significantly accelerated degeneration of the media in both cerebral artery and aorta as evidenced by thinning of the media and disruption of the elastic lamina and promoted IA and aortic dissection. AS604872 can be used to make models of these vascular diseases with extensive degeneration. AS604872 also inhibits spontaneous uterine contraction
Targets(IC50)	Others,Prostaglandin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9393 mL	9.6965 mL	19.393 mL
5 mM	0.3879 mL	1.9393 mL	3.8786 mL
10 mM	0.1939 mL	0.9696 mL	1.9393 mL
50 mM	0.0388 mL	0.1939 mL	0.3879 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

- Fukuda M, Aoki T, Manabe T, Maekawa A, Shirakawa T, Kataoka H, Takagi Y, Miyamoto S, Narumiya S. Exacerbation of intracranial aneurysm and aortic dissection in hypertensive rat treated with the prostaglandin F-receptor antagonist AS604872. *J Pharmacol Sci.* 2014;126(3):230-42. PubMed PMID: 25341845.
- Cirillo R, Tos EG, Page P, Missotten M, Quattropani A, Scheer A, Schwarz MK, Chollet A. Arrest of preterm labor in rat and mouse by an oral and selective nonprostanoid antagonist of the prostaglandin F2alpha receptor (FP). *Am J Obstet Gynecol.* 2007 Jul;197(1):54.e1-9. PubMed PMID: 17618756.
- Chollet A, Tos EG, Cirillo R. Tocolytic effect of a selective FP receptor antagonist in rodent models reveals an innovative approach to the treatment of preterm labor. *BMC Pregnancy Childbirth.* 2007 Jun 1;7 Suppl 1:S16. PubMed PMID: 17570160; PubMed Central PMCID: PMC1892057.

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