

ASP-6537

Chemical Properties

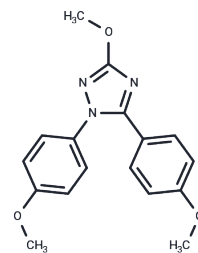
CAS No. : 524699-72-7

Formula: C₁₇H₁₇N₃O₃

Molecular Weight: 311.34

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	ASP-6537 is a selective and reversible inhibitor of cyclooxygenase-1.
Targets(IC50)	Others,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2119 mL	16.0596 mL	32.1192 mL
5 mM	0.6424 mL	3.2119 mL	6.4238 mL
10 mM	0.3212 mL	1.606 mL	3.2119 mL
50 mM	0.0642 mL	0.3212 mL	0.6424 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

Sakata C, Suzuki KI, Morita Y, Kawasaki T. Additive antithrombotic effect of ASP6537, a selective cyclooxygenase (COX)-1 inhibitor, in combination with clopidogrel in guinea pigs. *Eur J Pharmacol.* 2017 Mar 5;798:72-76. doi: 10.1016/j.ejphar.2017.01.015. Epub 2017 Jan 14. PubMed PMID: 28095326.

Ofori FA. Effective, selective and specific inhibition of COX-1 may overcome the "aspirin paradox". *Thromb Res.* 2013 Jul;132(1):1-2. doi: 10.1016/j.thromres.2013.04.011. Epub 2013 May 7. PubMed PMID: 23664562.

Sakata C, Kawasaki T, Kato Y, Abe M, Suzuki K, Ohmiya M, Funatsu T, Morita Y, Okada M. ASP6537, a novel highly selective cyclooxygenase-1 inhibitor, exerts potent antithrombotic effect without "aspirin dilemma". *Thromb Res.* 2013 Jul;132(1):56-62. doi: 10.1016/j.thromres.2013.03.005. Epub 2013 Mar 22. PubMed PMID: 23522855.

Imanishi J, Morita Y, Yoshimi E, Kuroda K, Masunaga T, Yamagami K, Kuno M, Hamachi E, Aoki S, Takahashi F, Nakamura K, Miyata S, Ohkubo Y, Mutoh S. Pharmacological profile of FK881(ASP6537), a novel potent and selective cyclooxygenase-1 inhibitor. *Biochem Pharmacol.* 2011 Oct 1;82(7):746-54. doi: 10.1016/j.bcp.2011.06.035. Epub 2011 Jul 2. PubMed PMID: 21745460.

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