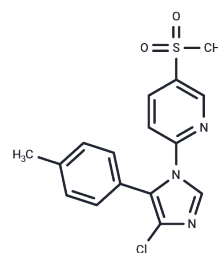


Vitacoxib

Chemical Properties

CAS No. :	1374128-90-1
Formula:	C ₁₆ H ₁₄ ClN ₃ O ₂ S
Molecular Weight:	347.82
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	Vitacoxib is a selective inhibitor of COX-2. It is used as a novel nonsteroidal anti-inflammatory agent.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8751 mL	14.3753 mL	28.7505 mL
5 mM	0.575 mL	2.8751 mL	5.7501 mL
10 mM	0.2875 mL	1.4375 mL	2.8751 mL
50 mM	0.0575 mL	0.2875 mL	0.575 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

- Wang J, Li Z, Sun F, Tang S, Zhang S, Lv P, Li J, Cao X. Evaluation of dermal irritation and skin sensitization due to vitacoxib. *Toxicol Rep.* 2017 Jun 10;4:287-290. doi: 10.1016/j.toxrep.2017.06.003. eCollection 2017. PubMed PMID: 28959651; PubMed Central PMCID: PMC5615138.
- Wang J, Zhao T, Kong J, Peng H, Lv P, Li J, Cao X, Zhang S. Determination of vitacoxib, a novel COX-2 inhibitor, in equine plasma using UPLC-MS/MS detection: Development and validation of new methodology. *J Chromatogr B Analyt Technol Biomed Life Sci.* 2017 Sep 1;1061-1062:270-274. doi: 10.1016/j.jchromb.2017.07.024. Epub 2017 Jul 15. PubMed PMID: 28759842.
- Wang J, Sun F, Tang S, Zhang S, Lv P, Li J, Cao X. Safety assessment of vitacoxib: Acute and 90-day sub-chronic oral toxicity studies. *Regul Toxicol Pharmacol.* 2017 Jun;86:49-58. doi: 10.1016/j.yrtph.2017.02.020. Epub 2017 Feb 24. PubMed PMID: 28238853.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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