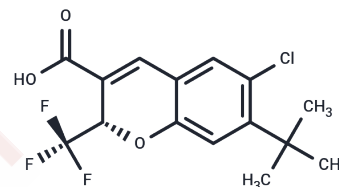


SC-75416

Chemical Properties

CAS No. : 215122-74-0
 Formula: C₁₅H₁₄ClF₃O₃
 Molecular Weight: 334.72
 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	SC-75416 is a selective COX-2 inhibitor for the study of pain.
Targets(IC50)	Others,COX

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9876 mL	14.9379 mL	29.8757 mL
5 mM	0.5975 mL	2.9876 mL	5.9751 mL
10 mM	0.2988 mL	1.4938 mL	2.9876 mL
50 mM	0.0598 mL	0.2988 mL	0.5975 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

- Salazar F, et al. Leukotrienes, but not angiotensin II, are involved in the renal effects elicited by the prolonged cyclooxygenase-2 inhibition when sodium intake is low. *J Cardiovasc Pharmacol.* 2013 Apr;61(4):329-36.
- Gierse J, et al. Evaluation of COX-1/COX-2 selectivity and potency of a new class of COX-2 inhibitors. *Eur J Pharmacol.* 2008 Jun 24;588(1):93-8.
- Kowalski KG, et al. Modeling and simulation to support dose selection and clinical development of SC-75416, a selective COX-2 inhibitor for the treatment of acute and chronic pain. *Clin Pharmacol Ther.* 2008 Jun;83(6):857-66.
- Wang JL, Aston K, Limburg D, Ludwig C, Hallinan AE, Koszyk F, Hamper B, Brown D, Graneto M, Talley J, Maziasz T, Masferrer J, Carter J. The novel benzopyran class of selective cyclooxygenase-2 inhibitors. Part III: the three microdose candidates. *Bioorg Med Chem Lett.* 2010 Dec 1;20(23):7164-8. doi: 10.1016/j.bmcl.2010.07.059. Epub 2010 Jul 23.

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