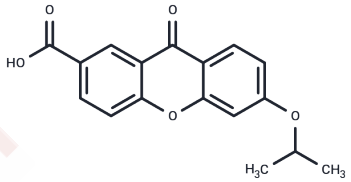
Data Sheet (Cat.No.T14148)

AH 6809

Chemical Properties



CAS No. : 33458-93-4

Formula: C17H14O5

Molecular Weight: 298.29

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	AH 6809 is an antagonist of EP and DP receptors, with Ki values of 1217, 1150, 1597, and 1415 nM for the cloned human EP1, EP2, EP3-III, and DP receptors, respectively, and a Ki of 350 nM for the mouse EP2 receptor.
Targets(IC50)	Prostaglandin Receptor

Solubility Information

Solubility	DMSO: 25 mg/mL (83.81 mM),Sonication is recommended. H2O: < 0.1 mg/mL (insoluble), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3524 mL	16.7622 mL	33.5244 mL
5 mM	0.6705 mL	3.3524 mL	6.7049 mL
10 mM	0.3352 mL	1.6762 mL	3.3524 mL
50 mM	0.067 mL	0.3352 mL	0.6705 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

http://www.millipore.com/publications.nsf/a73664f9f981af8c852569b9005b4eee/cae2c825891fb78e85257b19005fa865/$FILE/HTS099C%20ep1%20datasheet%20121212.pdf

Keery RJ, et al. AH6809, a prostaglandin DP-receptor blocking drug on human platelets. Br J Pharmacol. 1988 Jul;94(3):745-54.

Capehart AA, et al. Effects of a putative prostaglandin E2 antagonist, AH6809, on chondrogenesis in serum-free cultures of chick limb mesenchyme. J Cell Physiol. 1991 Jun;147(3):403-11.

Piazuelo E, et al. Characterization of the prostaglandin E2 pathway in a rat model of esophageal adenocarcinoma. Curr Cancer Drug Targets. 2012 Feb;12(2):132-43.

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