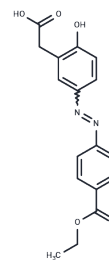


CAY10397

Chemical Properties

CAS No. : 78028-01-0
 Formula: C₁₇H₁₆N₂O₅
 Molecular Weight: 328.32
 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	CAY10397, a selective inhibitor of 15-hydroxy PGDH, significantly suppresses endogenous 11-oxo-EETE production with a corresponding increase in 11(R)-HETE.
Targets(IC50)	Others, Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0458 mL	15.229 mL	30.4581 mL
5 mM	0.6092 mL	3.0458 mL	6.0916 mL
10 mM	0.3046 mL	1.5229 mL	3.0458 mL
50 mM	0.0609 mL	0.3046 mL	0.6092 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

Liu X, Zhang S, Arora JS, Snyder NW, Shah SJ, Blair IA. 11-Oxoeicosatetraenoic acid is a cyclooxygenase-2/15-hydroxyprostaglandin dehydrogenase-derived antiproliferative eicosanoid. *Chem Res Toxicol.* 2011 Dec 19;24(12):2227-36. doi: 10.1021/tx200336f. Epub 2011 Sep 30. PubMed PMID: 21916491; PubMed Central PMCID: PMC3242474.

Wei C, Zhu P, Shah SJ, Blair IA. 15-oxo-Eicosatetraenoic acid, a metabolite of macrophage 15-hydroxyprostaglandin dehydrogenase that inhibits endothelial cell proliferation. *Mol Pharmacol.* 2009 Sep;76(3):516-25. doi: 10.1124/mol.109.057489. Epub 2009 Jun 17. PubMed PMID: 19535459; PubMed Central PMCID: PMC2730384.

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