

CP-432

Chemical Properties

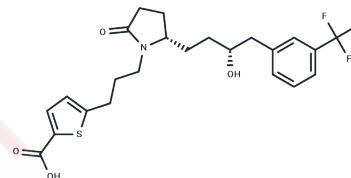
CAS No. : 431990-08-8

Formula: C₂₃H₂₆F₃N₂O₄S

Molecular Weight: 469.52

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	CP-432 (CP-734432) is an EP4 prostaglandin agonist for the treatment of glaucoma and ocular hypertension.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1298 mL	10.6492 mL	21.2983 mL
5 mM	0.426 mL	2.1298 mL	4.2597 mL
10 mM	0.213 mL	1.0649 mL	2.1298 mL
50 mM	0.0426 mL	0.213 mL	0.426 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

Hu KZ, Ma J, Qiu S, Zheng X, Huang PQ. SmI₂-mediated intermolecular coupling of γ -lactam N- α -radicals with activated alkenes: asymmetric synthesis of 11-hydroxylated analogues of the lead compounds CP-734432 and PF-04475270. *J Org Chem.* 2013 Mar 1;78(5):1790-801. doi: 10.1021/jo301277n. Epub 2012 Aug 14. PubMed PMID: 22853560.

Luu KT, Zhang EY, Prasanna G, Xiang C, Anderson S, Fortner J, Vicini P. Pharmacokinetic-pharmacodynamic and response sensitization modeling of the intraocular pressure-lowering effect of the EP4 Agonist 5-{3-[(2S)-2-[(3R)-3-hydroxy-4-[3-(trifluoromethyl)phenyl]butyl]-5-oxopyrrolidin-1-yl]propyl}thiophene-2-carboxylate (PF-04475270). *J Pharmacol Exp Ther.* 2009 Nov;331(2):627-35. doi: 10.1124/jpet.109.157800. Epub 2009 Aug 18. PubMed PMID: 19690190.

Prasanna G, Fortner J, Xiang C, Zhang E, Carreiro S, Anderson S, Sartnurak S, Wu G, Gukasyan H, Niesman M, Nair S, Rui E, Lafontaine J, Almaden CD, Wells P, Krauss A. Ocular pharmacokinetics and hypotensive activity of PF-04475270, an EP4 prostaglandin agonist in preclinical models. *Exp Eye Res.* 2009 Nov;89(5):608-17. doi: 10.1016/j.exer.2009.05.002. Epub 2009 May 13. PubMed PMID: 19445930.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481