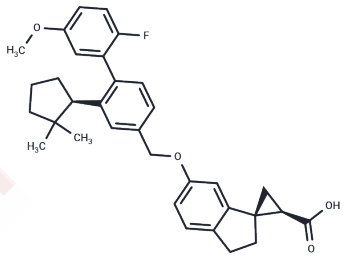
Data Sheet (Cat.No.T26609)

TargetMol

AM-5262

Chemical Properties



CAS No. : 1222088-90-5

Formula: C33H35FO4

Molecular Weight: 514.63

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	AM-5262 is a potent GPR40 Full Agonist with improved rat PK profile and general selectivity profile.
Targets(IC50)	Others,GPCR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9431 mL	9.7157 mL	19.4314 mL
5 mM	0.3886 mL	1.9431 mL	3.8863 mL
10 mM	0.1943 mL	0.9716 mL	1.9431 mL
50 mM	0.0389 mL	0.1943 mL	0.3886 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 Y, Liu JJ, Dransfield PJ, Zhu L, Wang Z, Du X, Jiao X, Su Y, Li AR, Brown SP, Kasparian A, Vimolratana M, Yu M, Pattaropong V, Houze JB, Swaminath G, Tran T, Nguyen K, Guo Q, Zhang J, Zhuang R, Li F, Miao L, Bartberger MD, Correll TL, Chow D, Wong S, Luo J, Lin DC, Medina JC. Discovery and Optimization of Potent GPR40 Full Agonists Containing Tricyclic Spirocycles. ACS Med Chem Lett. 2013 May 7;4(6):551-5. doi: 10.1021/ml300427u. PubMed PMID: 24900707; PubMed Central PMCID: PMC4027505.

Hauge M, Vestmar MA, Husted AS, Ekberg JP, Wright MJ, Di Salvo J, Weinglass AB, Engelstoft MS, Madsen AN, Lückmann M, Miller MW, Trujillo ME, Frimurer TM, Holst B, Howard AD, Schwartz TW. GPR40 (FFAR1) - Combined Gs and Gq signaling in vitro is associated with robust incretin secretagogue action ex vivo and in vivo. Mol Metab. 2014 Oct 24;4(1):3-14. doi: 10.1016/j.molmet.2014.10.002. PubMed PMID: 25685685; PubMed Central PMCID: PMC4314522.

Christensen LW, Kuhre RE, Janus C, Svendsen B, Holst JJ. Vascular, but not luminal, activation of FFAR1 (GPR40) stimulates GLP-1 secretion from isolated perfused rat small intestine. Physiol Rep. 2015 Sep;3(9). pii: e12551. doi: 10.14814/phy2.12551. PubMed PMID: 26381015; PubMed Central PMCID: PMC4600392.