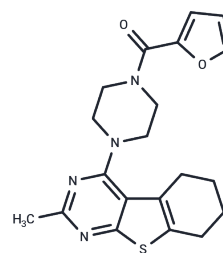


ML192

Chemical Properties

CAS No. :	460331-61-7
Formula:	C ₂₀ H ₂₂ N ₄ O ₂ S
Molecular Weight:	382.48
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	ML192 (CID1434953) is a selective GPR55 ligand antagonist. ML192 is an inhibitor that inhibits β -arrestin transport, ERK1/2 phosphorylation, and PKC β II translocation.
Targets(IC50)	ERK,Cannabinoid Receptor,Arrestin,GPCR,PKC

Solubility Information

Solubility	DMSO: 22.5 mg/mL (58.83 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (5.23 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6145 mL	13.0726 mL	26.1452 mL
5 mM	0.5229 mL	2.6145 mL	5.229 mL
10 mM	0.2615 mL	1.3073 mL	2.6145 mL
50 mM	0.0523 mL	0.2615 mL	0.5229 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

Kotsikorou E, et al. Identification of the GPR55 antagonist binding site using a novel set of high-potency GPR55 selective ligands. *Biochemistry*. 2013 Dec 31;52(52):9456-69.

Heynen-Genel S, et al. Screening for Selective Ligands for GPR55 - Antagonists. 2010 Oct 30 [updated 2011 May 26].

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