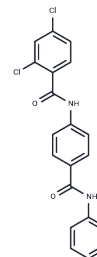


CID 1375606

Chemical Properties

CAS No. : 313493-80-0
 Formula: C₂₀H₁₄Cl₂N₂O₂
 Molecular Weight: 385.24
 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	CID 1375606 is a surrogate agonist of the orphan G protein-coupled receptor [GPR27], characterized by a high level of conservation among vertebrates and predominant expression in the central nervous system.
Targets(IC50)	Others,Orphan Receptor

Solubility Information

Solubility	DMSO: 53.33 mg/mL (138.43 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2.5 mg/mL (6.49 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	2.5958 mL	12.9789 mL	25.9578 mL
5 mM	0.5192 mL	2.5958 mL	5.1916 mL
10 mM	0.2596 mL	1.2979 mL	2.5958 mL
50 mM	0.0519 mL	0.2596 mL	0.5192 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

Dupuis N, et al. Activation of the Orphan G Protein-Coupled Receptor GPR27 by Surrogate Ligands Promotes β -Arrestin 2 Recruitment. Mol Pharmacol. 2017 Jun;91(6):595-608.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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