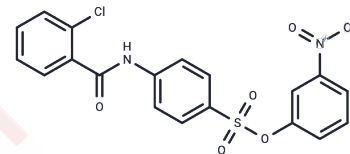


P2Y2R/GPR17 antagonist 1

Chemical Properties

CAS No. :	2395016-49-4
Formula:	C ₁₉ H ₁₃ ClN ₂ O ₆ S
Molecular Weight:	432.83
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	P2Y2R/GPR17 antagonist 1 (Compound 14m) is a dual antagonist with an IC ₅₀ of 3.17 μM for P2Y2R and 1.67 μM for GPR17.
Targets(IC ₅₀)	GPCR,P2Y Receptor

Solubility Information

Solubility	DMSO: 112.5 mg/mL (259.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3104 mL	11.5519 mL	23.1038 mL
5 mM	0.4621 mL	2.3104 mL	4.6208 mL
10 mM	0.231 mL	1.1552 mL	2.3104 mL
50 mM	0.0462 mL	0.231 mL	0.4621 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

Pillaiyar T, et al. Design, synthesis and biological evaluation of suramin-derived dual antagonists of the proinflammatory G protein-coupled receptors P2Y2 and GPR17. Eur J Med Chem. 2020 Jan 15;186:111789.

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