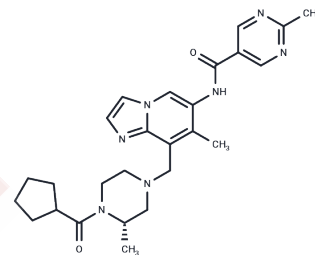


RORyt Inverse agonist 8

Chemical Properties

CAS No. :	2079892-79-6
Formula:	C ₂₆ H ₃₃ N ₇ O ₂
Molecular Weight:	475.59
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	RORyt Inverse agonist 8 is a potent, selective, orally bioavailable RORyt inverse agonist (human RORyt-LBD) with an IC ₅₀ of 19 nM.
Targets(IC ₅₀)	ROR
In vitro	RORyt Inverse agonist 8 is a potent inhibitor of RORyt and binds to the ligand binding domain (LBD) of RORyt. RORyt Inverse agonist 8 results in complete attenuation of IL-17A secretion in a concentration-dependent manner (IC ₅₀ of 60 nM in HUT78 cells). RORyt Inverse agonist 8 selectively suppresses human Th17 and Tc17 cell differentiation. RORyt Inverse agonist 8 reduces Th17 cell-associated mRNA expression including IL17A, IL17F, IL26, IL23R and CCR6 in a concentration-dependent fashion.
In vivo	antigen-induced arthritis (AiA) responses in Lewis rats ameliorated by RORyt Inverse agonist 8.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1027 mL	10.5133 mL	21.0265 mL
5 mM	0.4205 mL	2.1027 mL	4.2053 mL
10 mM	0.2103 mL	1.0513 mL	2.1027 mL
50 mM	0.0421 mL	0.2103 mL	0.4205 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

Guendisch U, et al. Pharmacological inhibition of ROR γ t suppresses the Th17 pathway and alleviates arthritis in vivo. PLoS One. 2017 Nov 20;12(11):e0188391.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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