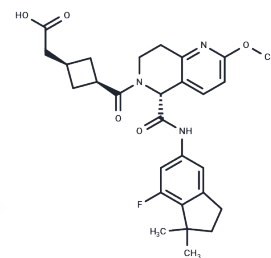


TAK-828F

Chemical Properties

CAS No. : 1854901-94-2
 Formula: C₂₈H₃₂FN₃O₅
 Molecular Weight: 509.57
 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	TAK-828F is a potent, selective, and orally available retinoic acid receptor-related orphan receptor γ t (ROR γ t) inverse agonist, with an IC ₅₀ of 1.9 nM and a reporter gene IC ₅₀ of 6.1 nM.
Targets(IC ₅₀)	ROR
In vivo	In mice with IL-23-induced cytokine expression model, TAK-828F (0.3, 1, and 3 mg/kg; orally administered; b.i.d.; 28 days;) shows robust and dose-dependent inhibition of IL-17A expression with an ED ₈₀ of 0.5 mg/kg.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9624 mL	9.8122 mL	19.6244 mL
5 mM	0.3925 mL	1.9624 mL	3.9249 mL
10 mM	0.1962 mL	0.9812 mL	1.9624 mL
50 mM	0.0392 mL	0.1962 mL	0.3925 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

Kono M, et al. Discovery of [cis-3-((5 R)-5-[(7-Fluoro-1,1-dimethyl-2,3-dihydro-1 H-inden-5-yl)carbonyl]-2-methoxy-7,8-dihydro-1,6-naphthyridin-6(5 H)-yl)carbonyl)cyclobutyl]acetic Acid (TAK-828F) as a Potent, Selective, and Orally Available Novel Retinoic Acid Receptor-Related Orphan Receptor γ t Inverse Agonist. J Med Chem. 2018 Apr 12;61(7):2973-2988.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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