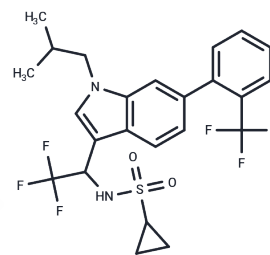


SR-29065

Chemical Properties

CAS No. : 2756883-91-5
 Formula: C₂₄H₂₄F₆N₂O₂S
 Molecular Weight: 518.52
 Storage: Store at low temperature
 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	SR-29065 is a selective REV-ERB α agonist that inhibits BMAL1 transcription within the circadian transcription-translation feedback loop, and it has been applied to evaluate whether targeting both negative regulatory limbs of circadian control yields synergistic anti-tumor effects in glioblastoma models, supporting its broader use in autoimmune disorder and circadian rhythm research.
Targets(IC50)	Nuclear receptor
In vitro	Method: Structure-activity relationship optimization of REV-ERB α -selective ligands was conducted, followed by in vivo evaluation in a mouse experimental autoimmune encephalomyelitis (EAE) model. Result: SR-29065 reduced the frequency and number of T cells in the CNS and modulated REV-ERB target gene expression in mice, indicating effective in vivo target engagement [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9286 mL	9.6428 mL	19.2857 mL
5 mM	0.3857 mL	1.9286 mL	3.8571 mL
10 mM	0.1929 mL	0.9643 mL	1.9286 mL
50 mM	0.0386 mL	0.1929 mL	0.3857 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

Structure-Activity Relationship and Biological Investigation of a REV-ERB α -Selective Agonist SR-29065 (34) for Autoimmune Disorders | Journal of Medicinal Chemistry Internet. cited 2025 Dec 31. Available from: <https://pubs.acs.org/doi/10.1021/acs.jmedchem.3c01413>

He Y, Zhu D, Greenman K, Ruiz C, Shang J, Lu Q, et al. Structure-Activity Relationship and Biological Investigation of a REV-ERB α -Selective Agonist SR-29065 (34) for Autoimmune Disorders. J Med Chem. 2023 Nov 9;66(21):14815-23.

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