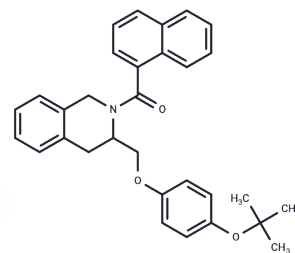


SR10067

Chemical Properties

CAS No. : 1380548-02-6
 Formula: C₃₁H₃₁NO₃
 Molecular Weight: 465.58
 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	SR10067 is a potent, selective, and brain-penetrant agonist of Rev-Erb β (IC ₅₀ = 160 nM) and Rev-Erb α (IC ₅₀ = 170 nM) with anxiolytic activity.
Targets(IC ₅₀)	Autophagy,REV-ERB

Solubility Information

Solubility	DMSO: 65 mg/mL (139.61 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 (5.37 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	2.1479 mL	10.7393 mL	21.4786 mL
5 mM	0.4296 mL	2.1479 mL	4.2957 mL
10 mM	0.2148 mL	1.0739 mL	2.1479 mL
50 mM	0.043 mL	0.2148 mL	0.4296 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

Banerjee S, et al. Pharmacological targeting of the mammalian clock regulates sleep architecture and emotional behaviour. Nat Commun. 2014 Dec 23;5:5759.

Thevis M, et al. Emerging drugs affecting skeletal muscle function and mitochondrial biogenesis - Potential implications for sports drug testing programs. Rapid Commun Mass Spectrom. 2016 Mar 15;30(5):635-51.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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