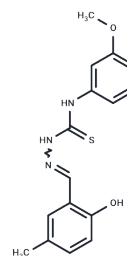


ALR2-IN-1

Chemical Properties

CAS No. :	2799695-54-6
Formula:	C ₁₆ H ₁₇ N ₃ O ₂ S
Molecular Weight:	315.39
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	ALR2-IN-1 is a potent and selective ALR2 inhibitor with an IC ₅₀ value of 1.42 μM. ALR2-IN-1 possesses both antiglycemic and antioxidant activities and can be used to study the complications of diabetes.
Targets(IC ₅₀)	Reductase

Solubility Information

Solubility	DMSO: 90 mg/mL (285.36 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	3.1707 mL	15.8534 mL	31.7068 mL
5 mM	0.6341 mL	3.1707 mL	6.3414 mL
10 mM	0.3171 mL	1.5853 mL	3.1707 mL
50 mM	0.0634 mL	0.3171 mL	0.6341 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

Imran A, et al. Development, Molecular Docking, and In Silico ADME Evaluation of Selective ALR2 Inhibitors for the Treatment of Diabetic Complications via Suppression of the Polyol Pathway. ACS Omega. 2022;7(30):26425-26436.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 34 Washington Street, Wellesley Hills, MA 02481