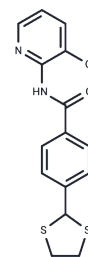


E17241

Chemical Properties

CAS No. : 1060968-92-4
 Formula: C₁₅H₁₄N₂O₂S₂
 Molecular Weight: 318.41
 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	E17241 functions as an inducer of ABCA1 gene expression, effectively increasing its expression with an EC ₅₀ value of 280 nM. It also acts as an agonist for peroxisome proliferator-activated receptors (PPARs), inducing PPAR-mediated gene expression in HepG2 cells expressing PPAR γ , PPAR α , or PPAR δ , with respective EC ₅₀ values of 290, 3,900, and 879 nM. In RAW 264.7 macrophage cells, E17241 enhances ACBA1 protein levels, although this effect is absent when siRNA targeting PKC ζ mRNA is present. Treatment with E17241 (0.4, 2, or 10 μ M) increases cholesterol efflux in RAW 264.7 cells. In an atherosclerosis model using ApoE ^{-/-} mice administered with a dose of 25 mg/kg, E17241 reduces levels of plasma cholesterol, alanine transaminase (ALT), aspartate transaminase (AST), and liver cholesterol and triglycerides, and also decreases the area of aortic lesions. Additionally, daily administration of E17241 (50 mg/kg) lowers blood glucose levels and body weight in KKAy diabetic mice on a high-fat, high-glucose (HFHG) diet.
Targets(IC ₅₀)	PPAR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1406 mL	15.703 mL	31.406 mL
5 mM	0.6281 mL	3.1406 mL	6.2812 mL
10 mM	0.3141 mL	1.5703 mL	3.1406 mL
50 mM	0.0628 mL	0.3141 mL	0.6281 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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