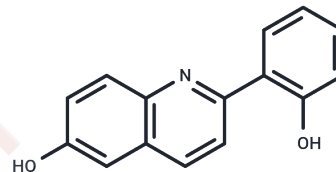


12R-LOX-IN-1

## Chemical Properties

CAS No. : 857758-13-5  
 Formula: C<sub>15</sub>H<sub>11</sub>NO<sub>2</sub>  
 Molecular Weight: 237.25  
 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	12R-LOX-IN-1 (Compound 4a), with an IC <sub>50</sub> of 28.25 μM, is an inhibitor of 12R-LOX. It suppresses hyperproliferation and colony formation in Imiquimod-induced psoriatic keratinocytes, and reduces levels of reactive oxygen species, Ki67, IL-17A, TNF-α, and IL-6. This compound has utility in antipsoriatic research [1].
Targets(IC50)	Others,DNA/RNA Synthesis

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.215 mL	21.0748 mL	42.1496 mL
5 mM	0.843 mL	4.215 mL	8.4299 mL
10 mM	0.4215 mL	2.1075 mL	4.215 mL
50 mM	0.0843 mL	0.4215 mL	0.843 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

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