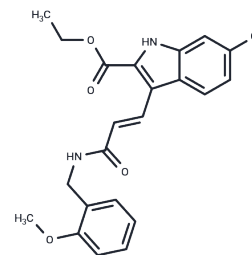


## 15-LOX-1 inhibitor 1

### Chemical Properties

CAS No. :	2349374-37-2
Formula:	C <sub>22</sub> H <sub>21</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	412.87
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	9c(i472) is an inhibitor of 15-lipoxygenase-1 (15-LO-1; IC <sub>50</sub> = 0.19 μM). <sup>1</sup> It decreases LPS- and IFN-γ-induced NF- B activity in RAW-Blue cells when used at concentrations of 0.2, 1, and 5 μM. 9c(i472) reduces LPS- and IFN-γ-induced increases in Nos2 expression and lipid peroxidation in RAW 264.7 cells when used at a concentration of 5 μM.
Targets(IC <sub>50</sub> )	Others,Lipoxygenase

### Solubility Information

Solubility	Methanol: Slightly soluble DMSO: Soluble ( < 1 mg/ml refers to the product slightly soluble or insoluble)
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4221 mL	12.1103 mL	24.2207 mL
5 mM	0.4844 mL	2.4221 mL	4.8441 mL
10 mM	0.2422 mL	1.211 mL	2.4221 mL
50 mM	0.0484 mL	0.2422 mL	0.4844 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

Guo, H., Verhoek, I.C., Prins, G.G.H., et al. Novel 15-lipoxygenase-1 inhibitor protects macrophages from lipopolysaccharide-induced cytotoxicity. J. Med. Chem. 62(9), 4624-4637 (2019).

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