

BIRM 271

## Chemical Properties

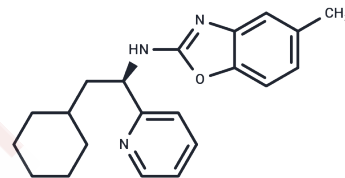
CAS No. : 149106-77-4

Formula: C<sub>21</sub>H<sub>25</sub>N<sub>3</sub>O

Molecular Weight: 335.44

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	BIRM 271 is a novel arachidonic acid release inhibitor that blocks leukotriene B4 and platelet-activating factor biosynthesis in human neutrophils. BIRM 271 and BIRM 270 are enantiomers that inhibit the production of leukotriene B4 with IC <sub>50</sub> of 40 nM.
Targets(IC <sub>50</sub> )	LTR,Leukotriene Receptor,Phospholipase

## Solubility Information

Solubility	DMSO: 50 mg/mL (149.06 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	2.9812 mL	14.9058 mL	29.8116 mL
5 mM	0.5962 mL	2.9812 mL	5.9623 mL
10 mM	0.2981 mL	1.4906 mL	2.9812 mL
50 mM	0.0596 mL	0.2981 mL	0.5962 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

Farina PR, et al. BIRM 270: a novel inhibitor of arachidonate release that blocks leukotriene B4 and platelet-activating factor biosynthesis in human neutrophils. J Pharmacol Exp Ther. 1994;271(3):1418-1426.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

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