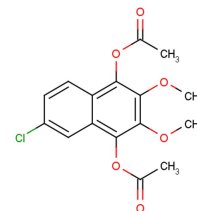


## Lonapalene

## Chemical Properties

CAS No.:	91431-42-4
Formula:	C <sub>16</sub> H <sub>15</sub> ClO <sub>6</sub>
Molecular Weight:	338.74
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Lonapalene is a topically effective inhibitor of 5-lipoxygenase.
Targets(IC <sub>50</sub> )	5-LO: None
In vitro	Lonapalene may be useful in the treatment of psoriasis [1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.952 mL	14.761 mL	29.521 mL
5 mM	0.59 mL	2.952 mL	5.904 mL
10 mM	0.295 mL	1.476 mL	2.952 mL
50 mM	0.059 mL	0.295 mL	0.59 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. Black AK, et al. Pharmacologic and clinical effects of lonapalene (RS 43179), a 5-lipoxygenase inhibitor, in psoriasis. J Invest Dermatol. 1990 Jul;95(1):50-4.

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