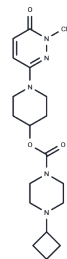


LML134

## Chemical Properties

CAS No. : 1542135-76-1  
 Formula: C<sub>19</sub>H<sub>29</sub>N<sub>5</sub>O<sub>3</sub>  
 Molecular Weight: 375.47  
 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	LML134 (LML-134) is an inverse agonist of Histamine 3 receptor (H3R)(hH3R cAMP and hH3R bdg with Kis of 0.3 nM and 12 nM).
Targets(IC50)	Histamine Receptor

## Solubility Information

Solubility	DMSO: 7.5 mg/mL (19.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (2.66 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6633 mL	13.3166 mL	26.6333 mL
5 mM	0.5327 mL	2.6633 mL	5.3267 mL
10 mM	0.2663 mL	1.3317 mL	2.6633 mL
50 mM	0.0533 mL	0.2663 mL	0.5327 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

Troxler T, et al. The Discovery of LML134, a Histamine H3 Receptor Inverse Agonist for the Clinical Treatment of Excessive Sleep Disorders. ChemMedChem. 2019 Jul 3;14(13):1238-1247.

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