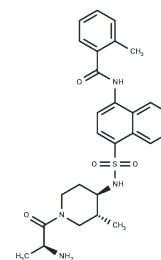


ML604086

## Chemical Properties

CAS No. : 850330-18-6  
 Formula: C<sub>27</sub>H<sub>32</sub>N<sub>4</sub>O<sub>4</sub>S  
 Molecular Weight: 508.63  
 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	ML604086 suppresses CCL1 mediated chemotaxis and enhances intracellular Ca <sup>2+</sup> concentrations. ML604086 is a selective inhibitor of CCR8. It also inhibiting CCL1 binding to CCR8 on circulating T-cells.
Targets(IC <sub>50</sub> )	CCR

## Solubility Information

Solubility	DMSO: 105 mg/mL (206.44 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: 5 mg/mL (9.83 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	1.9661 mL	9.8303 mL	19.6607 mL
5 mM	0.3932 mL	1.9661 mL	3.9321 mL
10 mM	0.1966 mL	0.983 mL	1.9661 mL
50 mM	0.0393 mL	0.1966 mL	0.3932 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

James E. Pease, et al. Chemokine Receptors in Allergy, Inflammation, and Infectious Disease. Top Med Chem (2015) 14: 1-40.

Lin Wang, et al. Antagonism of chemokine receptor CCR8 is ineffective in a primate model of asthma. Thorax 2013; 68:506-512.

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