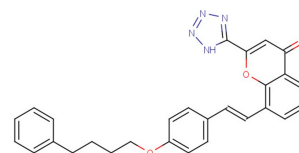


LM-1484

## Chemical Properties

CAS No.:	197506-02-8
Formula:	C <sub>28</sub> H <sub>24</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	464.52
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	LM-1484 displays a higher affinity for 3H-LTC <sub>4</sub> sites and is an antagonist of CysLT <sub>1</sub> receptor.
Targets(IC <sub>50</sub> )	CysLT <sub>1</sub> ;LTC <sub>4</sub> : None
In vitro	LM-1484 (10 μM) induces the dissociation of 3H-LTD <sub>4</sub> , and is able to displace 3H-LTC <sub>4</sub> from its binding sites[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	2.153 mL	10.764 mL	21.528 mL
5 mM	0.431 mL	2.153 mL	4.306 mL
10 mM	0.215 mL	1.076 mL	2.153 mL
50 mM	0.043 mL	0.215 mL	0.431 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. Ravasi S, et al. Pharmacological differences among CysLT(1) receptor antagonists with respect to LTC(4) and LTD(4) in human lung parenchyma. Biochem Pharmacol. 2002 Apr 15;63(8):1537-46.

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