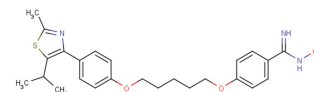


DW-1350

## Chemical Properties

CAS No.: 491577-61-8  
Formula: C<sub>25</sub>H<sub>31</sub>N<sub>3</sub>O<sub>3</sub>S  
Molecular Weight: 453.6  
Appearance: N/A  
Storage: 0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	DW-1350 is an antagonist of LTB <sub>4</sub> receptor.
Targets(IC <sub>50</sub> )	LTB <sub>4</sub> : None
In vitro	DW-1350 displays inhibitory effects against osteoclast in terms of differentiation, fusion, formation, and bone absorption.

## 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	2.205 mL	11.023 mL	22.046 mL
5 mM	0.441 mL	2.205 mL	4.409 mL
10 mM	0.22 mL	1.102 mL	2.205 mL
50 mM	0.044 mL	0.22 mL	0.441 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. Kang JH, et al. 5-Lipoxygenase inhibitors suppress RANKL-induced osteoclast formation via NFATc1 expression. Bioorg Med Chem. 2015 Nov 1;23(21):7069-78.

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Tel:781-999-4286

E-mail:[info@targetmol.com](mailto:info@targetmol.com)

Address:36 Washington Street,Wellesley Hills,MA 02481