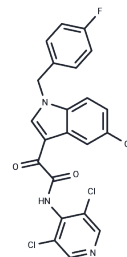


AWD 12-281

## Chemical Properties

CAS No. : 257892-33-4  
 Formula: C<sub>22</sub>H<sub>14</sub>Cl<sub>2</sub>FN<sub>3</sub>O<sub>3</sub>  
 Molecular Weight: 458.27  
 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	AWD 12-281 is a selective phosphodiesterase 4 (PDE4) inhibitor with anti-inflammatory and bronchodilator activity used in the study of chronic obstructive pulmonary disease (COPD).
Targets(IC50)	PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1821 mL	10.9106 mL	21.8212 mL
5 mM	0.4364 mL	2.1821 mL	4.3642 mL
10 mM	0.2182 mL	1.0911 mL	2.1821 mL
50 mM	0.0436 mL	0.2182 mL	0.4364 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

Hoppmann J, et al. The phosphodiesterase 4 inhibitor AWD 12-281 is active in a new guinea-pig model of allergic skin inflammation predictive of human skin penetration and suppresses both Th1 and Th2 cytokines in mice. J Pharm Pharmacol. 2005 Dec;57(12):1609-17. PubMed PMID: 16354405.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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