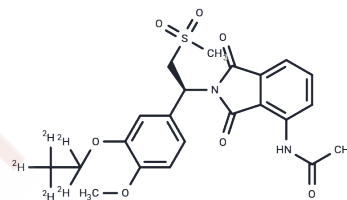


## Apremilast-D5

## Chemical Properties

CAS No. :	1258597-47-5
Formula:	C <sub>22</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub> S
Molecular Weight:	465.53
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	Apremilast-D5 is a deuterium-labeled Apremilast. Apremilast (T2923) is an orally available inhibitor of PDE-4 (IC <sub>50</sub> : 74 nM). Apremilast (T2923) inhibits TNF- $\alpha$ release by lipopolysaccharide (IC <sub>50</sub> : 104 nM).
Targets(IC <sub>50</sub> )	Apoptosis,PDE,TNF

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1481 mL	10.7404 mL	21.4809 mL
5 mM	0.4296 mL	2.1481 mL	4.2962 mL
10 mM	0.2148 mL	1.074 mL	2.1481 mL
50 mM	0.043 mL	0.2148 mL	0.4296 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

Perez-Aso M, et al. Apremilast, a novel phosphodiesterase 4 (PDE4) inhibitor, regulates inflammation through multiple cAMP downstream effectors. *Arthritis Res Ther.* 2015 Sep 15;17:249.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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