

AWD12-281

Chemical Properties

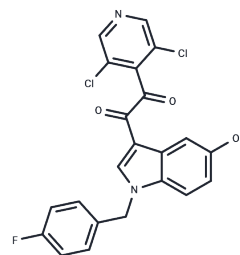
CAS No. :

Formula: C₂₂H₁₃Cl₂FN₂O₃

Molecular Weight: 443.26

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 | AWD12-281 is an inhibitor of PDE4. |
| Targets(IC50) | Others |

Preparing Stock Solutions

| | 1mg | 5mg | 10mg |
|-------|-----------|------------|------------|
| 1 mM | 2.256 mL | 11.2801 mL | 22.5601 mL |
| 5 mM | 0.4512 mL | 2.256 mL | 4.512 mL |
| 10 mM | 0.2256 mL | 1.128 mL | 2.256 mL |
| 50 mM | 0.0451 mL | 0.2256 mL | 0.4512 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

Chan AL, Huang HL, Chien HC, Chen CM, Lin CN, Ko WC. Inhibitory effects of quercetin derivatives on phosphodiesterase isozymes and high-affinity [(3) H]-rolipram binding in guinea pig tissues. Invest New Drugs. 2008 Oct;26(5):417-24. doi: 10.1007/s10637-008-9114-7. Epub 2008 Feb 9. PubMed PMID: 18264679.

Richter W, Unciuleac L, Hermsdorf T, Kronbach T, Dettmer D. Identification of inhibitor binding sites of the cAMP-specific phosphodiesterase 4. Cell Signal. 2001 Apr;13(4):287-97. PubMed PMID: 11306246.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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