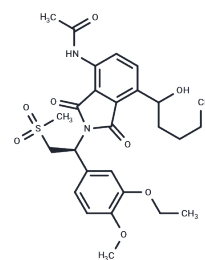


## PDE4-IN-29

## Chemical Properties

CAS No. :	2815361-45-4
Formula:	C27H34N2O8S
Molecular Weight:	546.63
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	PDE4-IN-29 (Compound 55) is an orally active and selective inhibitor of PDE4, targeting subtypes such as PDE4A1, PDE4B2, and PDE4D3, with an IC50 value for PDE4D3 of less than 5 nM. It inhibits the degradation of cyclic adenosine monophosphate (cAMP), elevating intracellular cAMP levels and suppressing the release of inflammatory mediators like TNF- $\alpha$ . PDE4-IN-29 holds potential for research in inflammatory diseases such as psoriasis, atopic dermatitis, and chronic obstructive pulmonary disease.
Targets(IC50)	PDE

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8294 mL	9.147 mL	18.2939 mL
5 mM	0.3659 mL	1.8294 mL	3.6588 mL
10 mM	0.1829 mL	0.9147 mL	1.8294 mL
50 mM	0.0366 mL	0.1829 mL	0.3659 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481