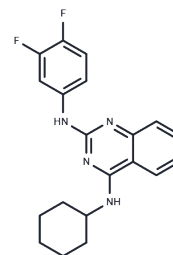


DFPQ

Chemical Properties

CAS No. :	911678-60-9
Formula:	C ₂₀ H ₂₀ F ₂ N ₄
Molecular Weight:	354.40
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	DFPQ is a powerful and selective β -arrestin-biased negative allosteric modulator(NAM) targeting the β 2-adrenergic receptor. It specifically inhibits the interaction of β -arrestin with β 2AR without altering β -agonist-induced cAMP production. Additionally, DFPQ reduces functional desensitization of the β 2AR in airway smooth muscle, enhancing β -agonists' capacity to maintain bronchorelaxation and curbing cell migration during prolonged β -agonist treatment.
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8217 mL	14.1084 mL	28.2167 mL
5 mM	0.5643 mL	2.8217 mL	5.6433 mL
10 mM	0.2822 mL	1.4108 mL	2.8217 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 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

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