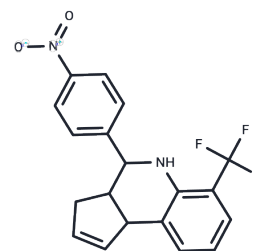


## iBFAR2

## Chemical Properties

CAS No. :	353484-02-3
Formula:	C19H15F3N2O2
Molecular Weight:	360.33
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	iBFAR2, an inhibitor of BFAR, restores the CD8+ tumor-resident memory T cell subset against solid tumors. It promotes the binding of JAK2-STAT1 and enhances the phosphorylation of STAT1.
Targets(IC50)	STAT,JAK
In vitro	iBFAR2 eliminated USP39 ubiquitination in primary mouse CD8+ T cells, inhibited the interaction between JAK2 and USP39, and thereby prevented the deubiquitination of JAK2. This, in turn, facilitated the binding of JAK2 and STAT1, enhancing the phosphorylation of STAT1.
In vivo	The compound iBFAR2 (ip; 1, 5, 10 mg/kg; administered once every 2 days starting from day 7 with 9 mice per group) inhibits the growth of MB49 tumors in a dose-dependent manner.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7752 mL	13.8762 mL	27.7523 mL
5 mM	0.555 mL	2.7752 mL	5.5505 mL
10 mM	0.2775 mL	1.3876 mL	2.7752 mL
50 mM	0.0555 mL	0.2775 mL	0.555 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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