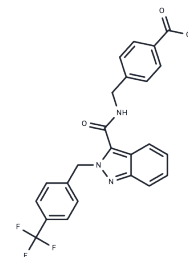


## EP4 receptor antagonist 7

## Chemical Properties

CAS No. :	3035217-40-1
Formula:	C24H18F3N3O3
Molecular Weight:	453.413
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	EP4 receptor antagonist 7 (Compound 14) is an antagonist of the prostaglandin E2 (PGE2) receptor subtype EP4, with an IC50 of 1.1 nM. This compound inhibits PGE2-induced $\beta$ -arrestin recruitment in HEK293 cells with an IC50 of 0.9 nM. In RAW 264.7 macrophages, it reduces the expression of PGE2-induced IL-4, macrophage mannose receptor 1 (Mrc1), chitinase-like protein 3 (Chil3), chemokine (C-X-C motif) ligand 1 (Cxcl1), triggering receptor expressed on myeloid cells 2 (Trem2), and arginase 1 (Arg1) mRNA. In the CT26 mouse colon cancer model, EP4 receptor antagonist 7, combined with an anti-PD-1 antibody, inhibits tumor growth and enhances CD8+ T cell infiltration into the tumor.
Targets(IC50)	Interleukin, Prostaglandin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2055 mL	11.0275 mL	22.0551 mL
5 mM	0.4411 mL	2.2055 mL	4.411 mL
10 mM	0.2206 mL	1.1028 mL	2.2055 mL
50 mM	0.0441 mL	0.2206 mL	0.4411 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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