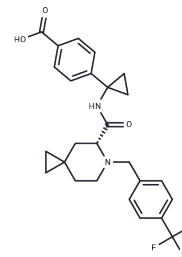


## (R)-Vorbipiprant

## Chemical Properties

CAS No. :	2502965-92-4
Formula:	C <sub>26</sub> H <sub>27</sub> F <sub>3</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	472.5
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	(R)-Vorbipiprant ((R)-CR6086) is an orally effective antagonist of the prostaglandin E2 receptor 4 (EP4), demonstrating a $K_i$ of 16.6 nM for human EP4. It inhibits the production of cAMP induced by PGE2, with an $IC_{50}$ of 22 nM. Additionally, (R)-Vorbipiprant exhibits immunomodulatory and antiangiogenic activities, having shown potential to alleviate collagen-induced arthritis in mice.
Targets( $IC_{50}$ )	Prostaglandin Receptor

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1164 mL	10.582 mL	21.164 mL
5 mM	0.4233 mL	2.1164 mL	4.2328 mL
10 mM	0.2116 mL	1.0582 mL	2.1164 mL
50 mM	0.0423 mL	0.2116 mL	0.4233 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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