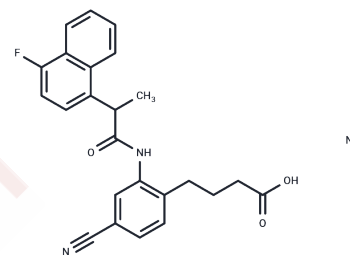


ONO-AE3-208 sodium

Chemical Properties

CAS No. :	2309931-05-1
Formula:	C ₂₄ H ₂₀ FN ₂ O ₃ Na
Molecular Weight:	426.42
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	ONO-AE3-208 is an EP4 receptor antagonist with a K_i of 1.3 nM, exhibiting less potent activity against EP3, FP, and TP receptors (K_i values of 30, 790, and 2,400 nM, respectively), while showing no effect on other prostanoid receptors. In wild type mice, treatment with ONO-AE3-208, in conjunction with 3% dextran sodium sulfate, results in severe colitis characterized by epithelial loss, crypt damage, and inflammation, thereby mimicking the effects of EP4 deletion. Further, this compound has been utilized to investigate the role of EP4 signaling in various biological contexts, including immune and autoimmune responses, inflammation, and cancer.
Targets(IC50)	Others, Prostaglandin Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3451 mL	11.7255 mL	23.4511 mL
5 mM	0.469 mL	2.3451 mL	4.6902 mL
10 mM	0.2345 mL	1.1726 mL	2.3451 mL
50 mM	0.0469 mL	0.2345 mL	0.469 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

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