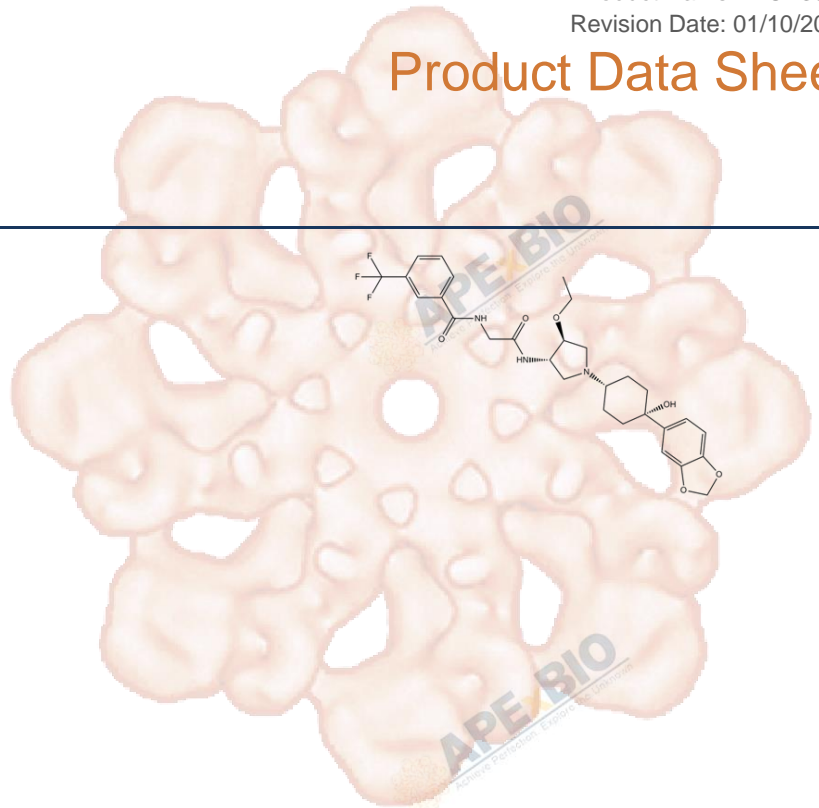


Product Data Sheet

INCB3344

Cat. No.:	A3494
CAS No.:	1262238-11-8
Formula:	C29H34F3N3O6
M.Wt:	577.24
Synonyms:	INCB 3344; INCB-3344
Target:	GPCR/G protein
Pathway:	CCR2
Storage:	Store at -20°C



Solvent & Solubility

≥25.9 mg/mL in DMSO; insoluble in H₂O; ≥89.8 mg/mL in EtOH

In Vitro

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1mg	5mg	10mg
	1 mM		1.7324 mL	8.6619 mL	17.3238 mL
	5 mM		0.3465 mL	1.7324 mL	3.4648 mL
	10 mM		0.1732 mL	0.8662 mL	1.7324 mL

Please refer to the solubility information to select the appropriate solvent.

Biological Activity

Shortsummary

CCR2 chemokine receptor antagonist

IC₅₀ & Target

Cell Viability Assay

In Vitro

Cell Line:	WEHI-274.1 cells
Preparation method:	Dissolved in DMSO. General tips for obtaining a higher concentration: Please warm the tube at 37°C for 10 minutes and/or shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.
Reacting conditions:	0.3-300 nM; 6 min.

	Applications:	In WEHI-274.1 cells, INCB3344 inhibits monocyte chemotaxis with IC50 value of 10 nM using 30 nM mCCL2 as the agonist. INCB3344 blocks ERK phosphorylation in response to mCCL2 with IC50 value of 3-10 nM, which is mediated by CCR2 signaling.
In Vivo	Animal experiment	
	Animal models:	Female BALB/c mice (20 g) received i.p. injection of thioglycolate.
	Dosage form:	30, 60, or 100 mg/kg BID; 48 h; administered orally.
	Applications:	INCB3344 dose-dependently reduces total cell number in the lavage fluid and inhibits monocyte influx by 36%, 55% and 73% at 30 mg/kg, 60 mg/kg and 100 mg/kg, respectively.
	Other notes:	Please test the solubility of all compounds indoor, and the actual solubility may slightly differ with the theoretical value. This is caused by an experimental system error and it is normal.

Product Citations

See more customer validations on www.apexbt.com.

References

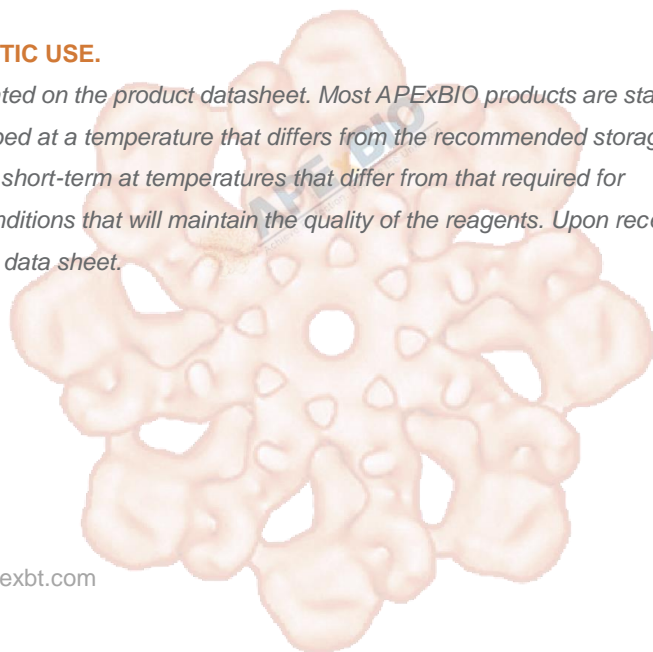
[1]. Brodmerkel CM, Huber R, Covington M, et al. Discovery and pharmacological characterization of a novel rodent-active CCR2 antagonist, INCB3344[J]. The Journal of Immunology, 2005, 175(8): 5370-5378.

Caution

FOR RESEARCH PURPOSES ONLY.

NOT FOR HUMAN, VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

Specific storage and handling information for each product is indicated on the product datasheet. Most APEX BIO products are stable under the recommended conditions. Products are sometimes shipped at a temperature that differs from the recommended storage temperature. Shortterm storage of many products are stable in the short-term at temperatures that differ from that required for long-term storage. We ensure that the product is shipped under conditions that will maintain the quality of the reagents. Upon receipt of the product, follow the storage recommendations on the product data sheet.



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