

CCR4 antagonist 3 Biochemical | CCR4 biochemical

CCR4 antagonist 3

CATALOG #
AAA228195

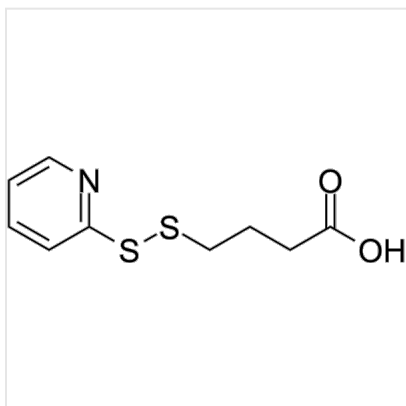
PRODUCT SYNONYMS

CCR4 antagonist 3; CCR4 biochemical

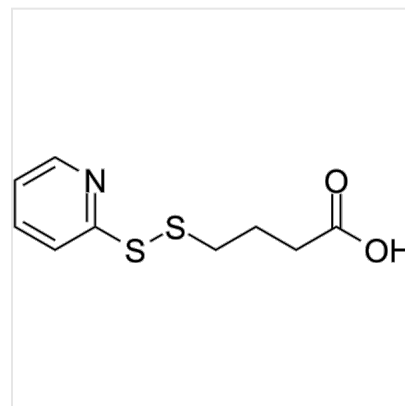
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	2174938-70-4
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	CCR4 antagonist 3 (compound 38; 50 mg/kg; PO; daily; for 40 days) significantly reduces the tumor growth[1]. CCR4 antagonist 3 (0.5 mg/kg; IV) has low clearance (CL=10.2 mL/min/kg), medium volume of distribution (V _{ss} =5.2 L/kg), a T _{1/2} of 6.9 h, and good bioavailability (%F = 29) of oral dosing in mouse[1]. CCR4 antagonist 3 has low clearance (CL=7.3 mL/min/kg), a half-life of 12.7 hr, and is 44% bioavailable in dog. CCR4 antagonist 3 has low clearance (CL=3.7 mL/min/kg), a long terminal half-life (10.7 hr), and good bioavailability (%F = 41) in cynomolgus monkey[1]. Animal Model: Six-to eight-week-old, female C57BL/6 mice with Pan02-OVA tumor[1]. Dosage: 50 mg/kg. Administration: PO; daily; for 40 days. Result: Significantly reduced the tumor growth. Animal Model: Rat and mouse[1]. Dosage: 0.5 mg/kg of IV; 2 mg/kg of PO. Administration: IV or PO. Result: Possessed medium clearance (CL=47.6 mL/min/kg) and was 49% bioavailable upon oral dosing in rat. Had low clearance (CL=10.2 mL/min/kg), medium volume of distribution (V _{ss} =5.2 L/kg), a T _{1/2} of 6.9 h, and good bioavailability (%F = 29) of oral dosing in mouse.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Acid-C3-SSPy, CAS 250266-79-6



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Acid-C3-SSPy, CAS 250266-79-6

ADDITIONAL INFORMATION

Related Product Information for CCR4 biochemical

CCR4 antagonist 3 is an orally active, potent and selective CCR4 antagonist. CCR4 antagonist 3, featuring a novel piperidiny-azetidine motif, has IC₅₀s of 22 nM and 50 nM in the calcium flux and CTX assay. CCR4 antagonist 3 has antitumor activity.

References

1. Samantha Congreve, et al. Antibody drug conjugates (ADC) Current status and mapping of ADC:s in clinical programs.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/biochemical/ccr4-antagonist-3/228195>