PRODUCT INFORMATION
PF-4136309
Item No. 21965

CAS Registry No.: 1341224-83-6
Formal Name: N-[2-[(3S)-3-[[trans-4-hydroxy-4-[5-(2-pyrimidinyl)-2-pyridinyl]cyclohexyl]amino]-1-pyrrolidinyl]-2-oxoethyl]-3-(trifluoromethyl)-benzamide
Synonym: INCB 8761
MF: C_{29}H_{31}F_{3}N_{6}O_{3}
FW: 568.6
Purity: ≥98%
UV/Vis.: λ_{max}: 250 nm
Supplied as: A solid
Storage: -20°C
Stability: ≥2 years

Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

PF-4136309 is supplied as a solid. A stock solution may be made by dissolving the PF-4136309 in the solvent of choice, which should be purged with an inert gas. PF-4136309 is soluble in organic solvents such as ethanol, DMSO, and dimethyl formamide (DMF). The solubility of PF-4136309 in ethanol and DMF is approximately 20 mg/ml and approximately 5 mg/ml in DMSO.

PF-4136309 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, PF-4136309 should first be dissolved in ethanol and then diluted with the aqueous buffer of choice. PF-4136309 has a solubility of approximately 0.17 mg/ml in a 1:5 solution of ethanol:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

Description

PF-4136309 is a chemokine (C-C motif) receptor 2 (CCR2) antagonist (IC_{50}s = 5.2, 13, and 17 nM for the human, rat, and mouse receptors, respectively).\(^1\) It also inhibits the voltage-gated potassium channel subtype K_\text{v}11.1 by 35% when used at a concentration of 10 µM. PF-4136309 decreases isolated human monocyte chemotaxis induced by chemokine (C-C motif) ligand 2 (CCL2) with an IC_{50} value of 3.9 nM.

Reference


WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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