

PRODUCT INFORMATION



AZD 4205

Item No. 36622

CAS Registry No.: 2091134-68-6

Formal Name: (aR)-N-[3-[2-[(3-methoxy-1-methyl-1H-pyrazol-4-yl)amino]-4-pyrimidinyl]-1H-indol-7-yl]-a,4-dimethyl-1-piperazineacetamide

Synonym: Golidocitinib

MF: C₂₅H₃₁N₉O₂

FW: 489.6

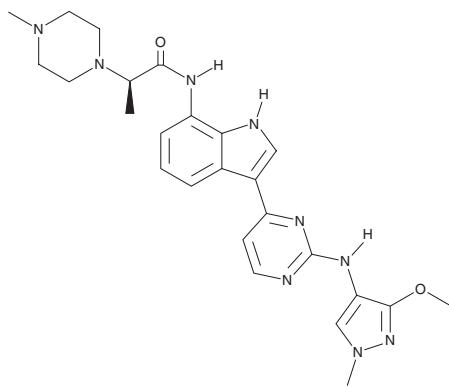
Purity: ≥98%

UV/Vis.: λ_{max}: 331 nm

Supplied as: A solid

Storage: -20°C

Stability: ≥4 years



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

Laboratory Procedures

AZD 4205 is supplied as a solid. A stock solution may be made by dissolving the AZD 4205 in the solvent of choice, which should be purged with an inert gas. AZD 4205 is soluble in DMSO.

Description

AZD 4205 is a JAK1 inhibitor (IC₅₀ = 0.07 μM).¹ It is selective for JAK1 over JAK2 (IC₅₀ = >15 μM). AZD 4205 inhibits the phosphorylation of STAT3 in H1975 non-small cell lung cancer (NSCLC) cells (IC₅₀ = 0.13 μM). It enhances the antitumor activity of osimertinib (AZD 9291; Item No. 16237) in an H1975 mouse xenograft model when administered at a dose of 50 mg/kg.

Reference

1. Su, Q., Banks, E., Bebernitz, G., et al. Discovery of (2R)- N-[3-[2-[(3-Methoxy-1-methyl-pyrazol-4-yl)amino]pyrimidin-4-yl]-1H-indol-7-yl]-2-(4-methylpiperazin-1-yl)propenamide (AZD4205) as a potent and selective Janus kinase 1 inhibitor. *J. Med. Chem.* **63**(9), 4517-4527 (2020).

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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