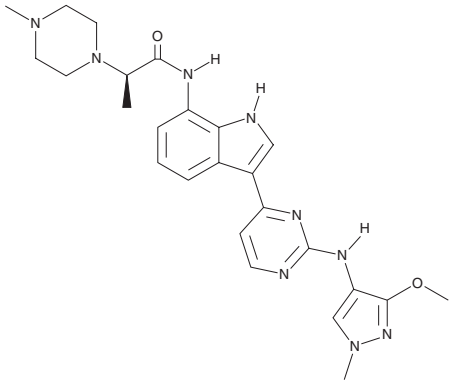
PRODUCT INFORMATION

AZD 4205

Item No. 36622



CAS Registry No.:	2091134-68-6
Formal Name:	(αR)-N-[3-[2-[(3-methoxy-1-methyl-1H-pyrazol-4-yl)amino]-4-pyrimidinyl]-1H-indol-7-yl]-α,4-dimethyl-1-piperazineacetamide
Synonym:	Golidocitinib
MF:	$C_{25}H_{31}N_9O_2$
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 (IC_{50} = 0.07 µM).[1] It is selective for JAK1 over JAK2 (IC_{50} = >15 µM). AZD 4205 inhibits the phosphorylation of STAT3 in H1975 non-small cell lung cancer (NSCLC) cells (IC_{50} = 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]-1 H-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).

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM