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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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BARICITINIB

Kinase inhibitor
Catalog No. SIH-587



Discovery through partnership | Excellence through quality

Product Name

Baricitinib

Description

Kinase inhibitor

Purity

>98% (HPLC); NMR (conforms)

CAS No.

1187594-09-7

Molecular Formula

$C_{16}H_{17}N_7O_2S$

Molecular Weight

371.4

Field Of Use

Not for use in humans. Not for use in diagnostics or therapeutics. For in vitro research use only.

Properties**Storage Temperature**

-20°C

Shipping Temperature

Shipped Ambient

Product Type

Inhibitor

Solubility

May be dissolved in DMSO (30 mg/ml); or DMF (50 mg/ml)

Source

Synthetic

Appearance

White to off-white powder

SMILES

CCS(=O)(=O)N1CC(C1)(CC#N)N2C=C(C=N2)C3=C4C=CNC4=NC=N3

InChI

InChI=1S/C16H17N7O2S/c1-2-26(24,25)22-9-16(10-22,4-5-17)23-8-12(7-21-23)14-13-3-6-18-15(13)20-11-19-14/h3,6-8,11H,2,4,9-10H2,1H3,(H,18,19,20)

InChIKey

XUZMWHLSFXCVMG-UHFFFAOYSA-N

Safety Phrases

Hazard statements

Harmful if swallowed.

· Precautionary statements

Wash thoroughly after handling.

Do not eat, drink or smoke when using this product.

Cite This Product

Baricitinib (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-587)

Biological Description

Alternative Names

1-(Ethylsulfonyl)-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)-1H-pyrazol-1-yl]-3-azetidineacetonitrile, INCB028050, LY3009104

Research Areas

Cell Signaling, Growth Factors, TNF

PubChem ID

44205240

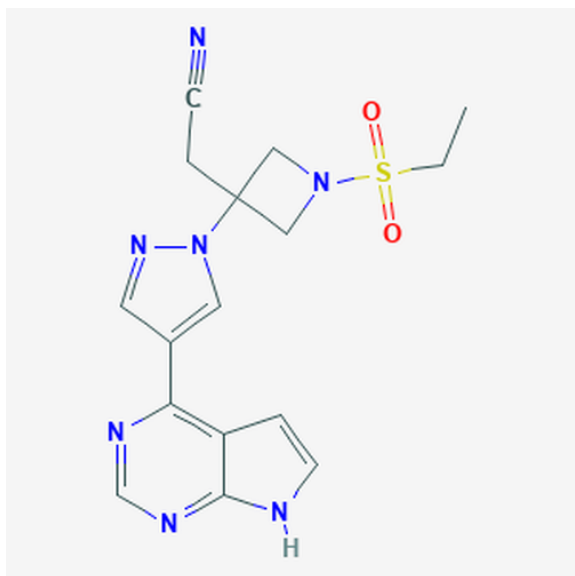
Scientific Background

Baricitinib acts as an inhibitor of janus kinase (JAK), blocking the subtypes JAK1 and JAK2, thereby reducing cytokine release and suppressing the innate and adaptive immune systems. It was recently shown to significantly improve COVID-19 symptoms in a preliminary human trial, presumably through suppression of the cytokine release syndrome ("cytokine storm") induced by SARS-CoV-2 infection.

References

- 1."Summary of opinion for Olumiant" (PDF). European Medicines Agency (EMA). 15 December 2016. 2. Cantini F., et al. (2020) J. Infect. DOI: 10.1016/j.jinf.2020.04.017
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Product Images



Chemical structure of Baricitinib (SIH-587), a Kinase inhibitor (pan-specific). CAS #: 1187594-09-7. Molecular Formula: C₁₆H₁₇N₇O₂S. Molecular Weight: 371.4 g/mol.

Product Citations (0)

Currently there are no citations for this product.

Reviews

There are no reviews yet.

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