Baricitinib phosphate

Selective JAK1 and JAK2 inhibitor

Baricitinib is a selective JAK1 and JAK2 inhibitor. IC_{50} values are 5.9nm for JAK1, and 5.7nM for JAK2. In cell based assays Baricitinib/INCB-28050 demonstrated inhibition of intracellular signaling of multiple pro-inflammatory cytokines including IL-6 and IL-23 at concentrations of < 50 nM, and also showed good efficacy in a number of animal models at doses of 10mg/kg and below. Baricitinib is in Phase III development as a potential treatment for rheumatoid arthritis. It is in Phase II development as a potential treatment for psoriasis and diabetic nephropathy.

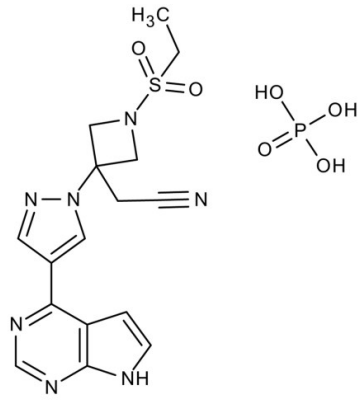
Ordering Information

Order Online »

ENZ-CHM198-0001	1mg

Manuals, SDS & CofA

View Online »


H3C
O
S
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HO
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OH
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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Short Term Storage	+4°C
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	INCB028050, LY3009104, 2-[1-Ethylsulfonyl-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)pyrazol-1-yl]azetidin-3-yl]acetonitrile
Appearance	White powder.
CAS	1187595-84-1
Couple Target	JAK
Couple Type	Inhibitor
Formula	$C_{16}H_{17}N_7O_2S \cdot H_3PO_4$
Identity	Determined by EM-MS, NMR
MW	469.4
Purity	≥99% (HPLC)
Solubility	Soluble in DMSO (74mg/ml) or ethanol (1mg/ml).

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