

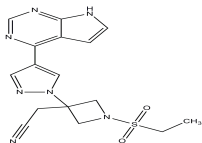
PRODUCT: Baricitinib

ALTERNATE NAME: 2-[1-Ethylsulfonyl-3-[4-(7H-pyrrolo[2,3-d]pyrimidin-4-yl)pyrazol-1-yl]azetidin-3-yl]acetonitrile; INCB 028050; LY 3009104; INCB028050; LY3009104; LY-3009104; INCB-028050

CATALOG #: 2842-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₆H₁₇N₇O₂S

MOLECULAR WEIGHT: 371.42

CAS NUMBER: 1187594-09-7

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (>50 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and light

DESCRIPTION: Baricitinib is a selective JAK1 and JAK2 inhibitor with IC₅₀ values of 5.9 nM and 5.7 nM, respectively. Baricitinib is ~70 and ~10-fold selective versus JAK3 and Tyk2, with no inhibition to c-Met and Chk2.

REFERENCES: Fridman, J.S., *et al.* (2010). *J. Immunol.* **184**, 5298-5307.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

AZD1480 (Cat. No. 2315-1, 5)
BMS-911543 (Cat. No. 2630-1,5)
CP-690550 (Cat. No. 1622-5, 25)
Cyt387 (Cat. No. 2316-1, 5)
JAK Inhibitor, Pyridone 6 (Cat. No. 2534-500, 1000)
Lestaurtinib (Cat. No. 1805-500, 1000)
LLL12 (Cat. No. 1792-5, 25)
MS-1020 (Cat. No. 1911-1)
Ruxolitinib, free base (Cat. No. 2139-5, 25)
SB-1518 (Cat. No. 2450-1, 5)
Stat1 Antibody (Cat. No. 3133R-100)
Stat2 Antibody (Cat. No. 3468R-100)
Phospho-Stat2 Antibody (Cat. No. 3469-1000)
Stat3 Antibody (Cat. No. 3470R-100)
Phospho-Stat3 Antibody (Cat. No. 3474-100)
Stat3 Inhibitor I, S3I-201 (Cat. No. 1775-5, 25)
Stat3 peptide Inhibitor, Cell-Permeable (Cat. No. 1778-1,5)
Stat4 Antibody (Cat. No. 3471R-100)
Stat5 Antibody (Cat. No. 3472-100)
Phospho-Stat5 Antibody (Cat. No. 3475-100)
Stat6 Antibody (Cat. No. 3473R-100)
Phospho-Stat6 Antibody (Cat. No. 3476-100)
TG101348 (Cat. No. 2314-1, 5)
Tyrphostin AG 490 (Cat. No. 1570-5)
WHI-P131 (Cat. No. 1853-5, 25)
WHI-P154 (Cat. No. 2659-5, 25)
WP1066 (Cat. No. 1809-5, 25)
XL019 (Cat. No. 2609-5, 25)

USAGE: **FOR RESEARCH CH USE ONLY! Not to be used in humans**