



LKT Laboratories, Inc.

Baricitinib

Phone: 888-558-5227
651-644-8424
Fax: 888-558-7329
Email: getinfo@lktlabs.com
Web: lktlabs.com

Product Information

Product ID B022691

CAS No. 1187594-09-7

Chemical Name 3-Azetidineacetone nitrile, 1-(ethylsulfonyl)-3-(4-(7H-pyrrolo(2,3-d)pyrimidin-4-yl)-1H-pyrazol-1-yl)-

Synonym INCB28050; LY3009104

Formula C₁₆H₁₇N₇O₂S

Formula Wt. 371.42

Melting Point

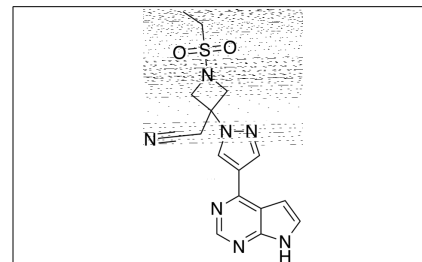
Purity ≥99%

Solubility

Store Temp -20°C

Ship Temp Ambient

Description Baricitinib is a selective and reversible inhibitor of JAK1 and JAK2. In an HIV-associated neurocognitive disorder murine model, baricitinib was found to cross the blood-brain barrier and accumulate to adequate concentrations to reduce HIV-induced inflammation.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
B022691	5 mg	\$227.10
B022691	25 mg	\$746.20
B022691	50 mg	\$1362.80

References Gavegnano C, Haile WB, Hurwitz S, et al. Baricitinib reverses HIV-associated neurocognitive disorders in a SCID mouse model and reservoir seeding in vitro. *J Neuroinflammation*. 2019 Sep 27;16(1):182. PMID: 31561750.

Murakami K, Kobayashi Y, Uehara S, et al. A Jak1/2 inhibitor, baricitinib, inhibits osteoclastogenesis by suppressing RANKL expression in osteoblasts in vitro. *PLoS One*. 2017 Jul 14;12(7):e0181126. PMID: 28708884.

Ezzeldin E, Iqbal M, Asiri YA, et al. A hydrophilic interaction liquid chromatography-mass spectrometry quantitative method for determination of baricitinib in plasma, and its application in a pharmacokinetic study in rats. *Molecules*. 2020 Mar 31;25(7). pii: E1600. PMID: 32244454.

Fautrel B, Kirkham B, Pope JE, et al. Effect of baricitinib and adalimumab in reducing pain and improving function in patients with rheumatoid arthritis in low disease activity: exploratory analyses from RA-BEAM. *J Clin Med*. 2019 Sep 5;8(9). pii: E1394. PMID: 31492040.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.