

Accepted Manuscript

Title: Ibrutinib inhibition of Bruton protein-tyrosine kinase (BTK) in the treatment of B cell neoplasms

Author: Robert Roskoski Jr.

PII: S1043-6618(16)30922-7
DOI: <http://dx.doi.org/doi:10.1016/j.phrs.2016.09.011>
Reference: YPHRS 3319

To appear in: *Pharmacological Research*

Received date: 11-9-2016

Accepted date: 12-9-2016

Please cite this article as: Roskoski Robert. Ibrutinib inhibition of Bruton protein-tyrosine kinase (BTK) in the treatment of B cell neoplasms. *Pharmacological Research* <http://dx.doi.org/10.1016/j.phrs.2016.09.011>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Ibrutinib inhibition of Bruton protein-tyrosine kinase (BTK) in the treatment of B cell neoplasms

Robert Roskoski Jr.

Blue Ridge Institute for Medical Research

3754 Brevard Road, Suite 116, Box 19

Horse Shoe, North Carolina 28742-8814, United States

Phone: 1-828-891-5637

Fax: 1-828-890-8130

E-mail address: rrj@brimr.org

Contents

1. The role of Bruton protein-tyrosine kinase in B cell antigen receptor signaling
2. Biochemistry of Bruton protein-tyrosine kinase
 - 2.1 Architecture of BTK
 - 2.2 Primary structure of the BTK
 - 2.3 The secondary and tertiary structure of BTK and the K/E/D/D motif
 - 2.4 Active and inactive BTK hydrophobic spines
 - 2.5 Interconversion of inactive and active BTK
3. FDA-approved ibrutinib disease targets
 - 3.1 Mantle cell lymphoma (MCL)
 - 3.2 Chronic lymphocytic leukemia (CLL)
 - 3.3 Waldenström macroglobulinemia (WM)
4. Selected ibrutinib clinical trials

Download English Version:

<https://daneshyari.com/en/article/5557581>

Download Persian Version:

<https://daneshyari.com/article/5557581>

[Daneshyari.com](https://daneshyari.com)