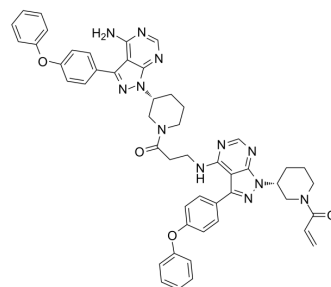


Ibrutinib dimer

Cat. No.:	HY-136113
CAS No.:	2031255-23-7
Molecular Formula:	C ₅₀ H ₄₈ N ₁₂ O ₄
Molecular Weight:	880.99
Target:	Btk
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Ibrutinib dimer is a Dimer of Ibrutinib. Ibrutinib dimer is an impurity of Ibrutinib^[1]. Ibrutinib is a selective, irreversible Btk inhibitor with an IC₅₀ of 0.5 nM^[2].

REFERENCES

[1]. Somana Siva Prasad, et al. A QUALITY BY DESIGN APPROACH FOR DEVELOPMENT OF SIMPLE AND ROBUST REVERSED PHASE STABILITY INDICATING HPLC METHOD FOR ESTIMATION OF IBRUTINIB AND ITS IMPURITIES.

[2]. Honigberg LA, et al. The Bruton tyrosine kinase inhibitor PCI-32765 blocks B-cell activation and is efficacious in models of autoimmune disease and B-cell malignancy. Proc Natl Acad Sci U S A. 2010 Jul 20;107(29):13075-80.

Caution: Product has not been fully validated for medical applications. For research use only.

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