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DATASHEET

Ibrutinib

Product overview

Name	Ibrutinib
Cat No	HB4204
Purity	>98%
Description	Potent, selective Bruton's tyrosine kinase (BTK) inhibitor.

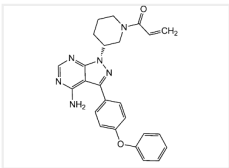
Biological Data

Biological description	Potent and selective Bruton's tyrosine kinase (BTK) inhibitor. Orally bioavailable and irreversible inhibitor of BTK ($IC_{50} = 0.5 \text{ nM}$) with antineoplastic activity. Binds to and irreversibly inhibits BTK activity, preventing B cell activation and B cell-mediated signaling. This leads to an inhibition of the growth of malignant B cells that overexpress BTK. Shown to inhibit autophosphorylation of BTK ($IC_{50} = 11 \text{ nM}$), phosphorylation of PLCgamma ($IC_{50} = 29 \text{ nM}$), a substrate of BTK and phosphorylation of ERK ($IC_{50} = 13 \text{ nM}$).
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Solubility & Handling

Storage instructions	+4 °C
Important	This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.

Chemical Data

Molecular Weight	440.5
Chemical structure	
CAS Number	936563-96-1
Appearance	White solid