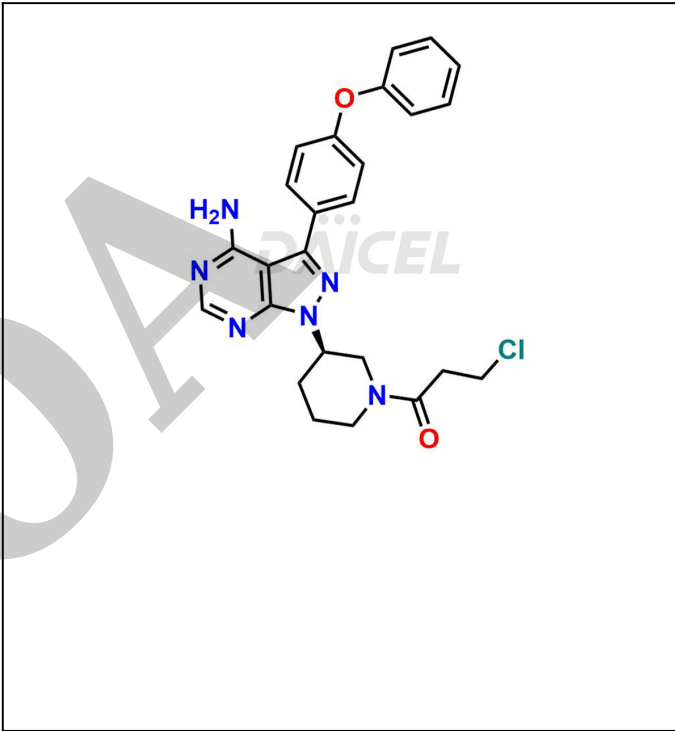




ISO 9001:2015 CERTIFIED

## CERTIFICATE OF ANALYSIS

Product Name	Ibrutinib chloro impurity		
Molecular Formula	C <sub>25</sub> H <sub>25</sub> ClN <sub>6</sub> O <sub>2</sub>		
Molecular Weight	476.97		
Batch Number	XX		
Batch Quantity	XX		
Date of Manufacturing	XX		
Date of Analysis	XX		
Next Retest Date	XX		
Catalogue Number	DCTI-C-792		
CAS Number	1288338-96-4		
COA Number	XX		
IUPAC Name	(R)-1-(3-(4-amino-3-(4-phenoxyphenyl)-1H-pyrazolo[3, 4-d]pyrimidin-1-yl)piperidin-1-yl)-3-chloropropan-1-one		
Storage and Handling	2-8 °C		

S. No	* Test	Result
	Description	
1.	Identification i) By IR ii) By NMR iii) By MS	--
2.	Chromatographic Purity (% by HPLC)	--

**Remarks:** \*Test or tests as mentioned above may vary as per the product nature or customer's requirement

Function	Compiled by	Reviewed by	Reviewed by	Approved by
Name	xxx	xxx	xxx	xxx

Department	Pharma Standards QC	Pharma Standards QC	Quality Assurance	Quality Assurance
Sign and <u>Date</u>				

Attachments	IR, NMR, MS spectra, HPLC Chromatogram.
Date of Shipment:	DD-MMM-YYYY

CIN: U24100TG2008PTC058509  
Servey No: 542/2, IKP Knowledge Park, Koltur Village,  
Shamirpet Mandal, Medchal – Malkajgiri District,  
Hyderabad – 500 101, Telangana, India.  
Tel. No. +918418660700, Fax. +918418660730

COA