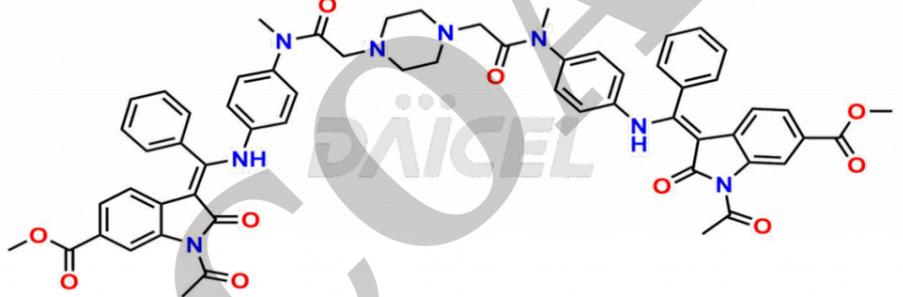


ISO 9001:2015 CERTIFIED

CERTIFICATE OF ANALYSIS

Product Name	Piperazine Dimer acetyl Impurity of Nintedanib CRS		
Molecular Formula	C ₆₀ H ₅₆ N ₈ O ₁₀		
Molecular Weight	1049.15		
Batch Number	XX-XXXX		
Batch Quantity	XXX		
Date of Manufacturing	DD-MM-YYYY		
Date of Analysis	DD-MM-YYYY		
Next Retest Date	DD-MM-YYYY		
Catalogue Number	DCTI-C-1944		
CAS Number	2410649-55-5		
COA Number	PA-XXXX		
IUPAC Name	Dimethyl 3,3'-((((2,2'-(piperazine-1,4-diyl)bis(acetyl)) bis(methylazanediyl)) bis(4,1-phenylene))bis(azanediyl))bis(phenylmethaneylylidene))(3Z,3'Z)-bis(1-acetyl-2-oxoindoline-6-carboxylate)		
Storage and Handling	2-8°C		

Sl. 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 Date				

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