

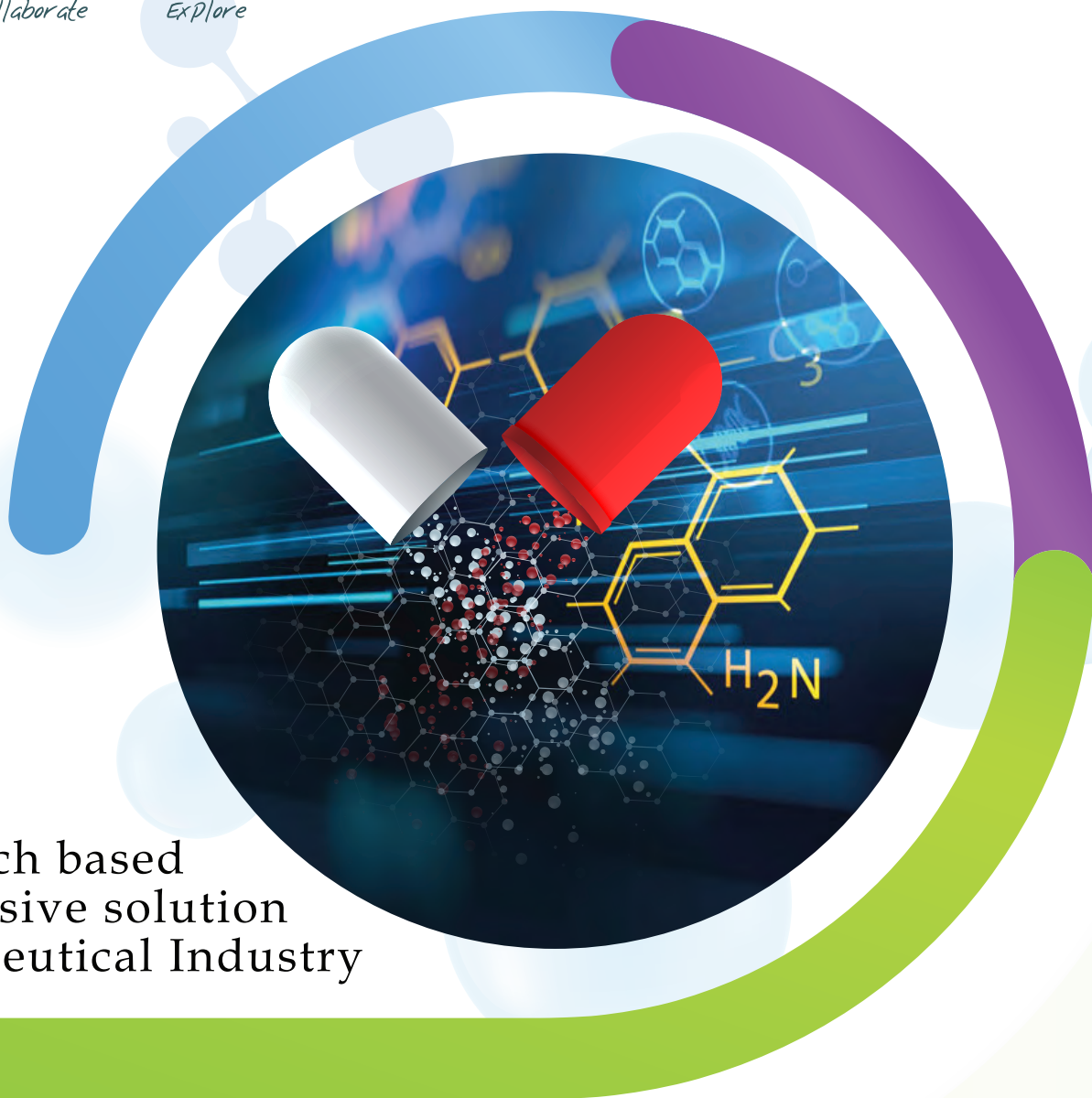


PHARMACE RESEARCH LABORATORY

*Accelerate*

*Collaborate*

*Explore*



Providing  
best research based  
comprehensive solution  
to Pharmaceutical Industry

# Pharmace Research Laboratory

*Delivering PACE to your research*

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www.pharmaceresearch.com

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## Area of our scientific excellence

### Pharmaceutical Impurity & Metabolites Standards

- ❖ Custom synthesis as per client's requirements with minimum lead time
- ❖ More than 1000 impurities standards in-stock
- ❖ Isolation, Characterization of Unknown impurities with structure elucidation
- ❖ Several Phase-1 and Phase-2 (Drug Glucuronides) in stock
- ❖ Each product provided with detailed Certificate of Analysis
- ❖ Fast delivery, efficient and prompt customer service

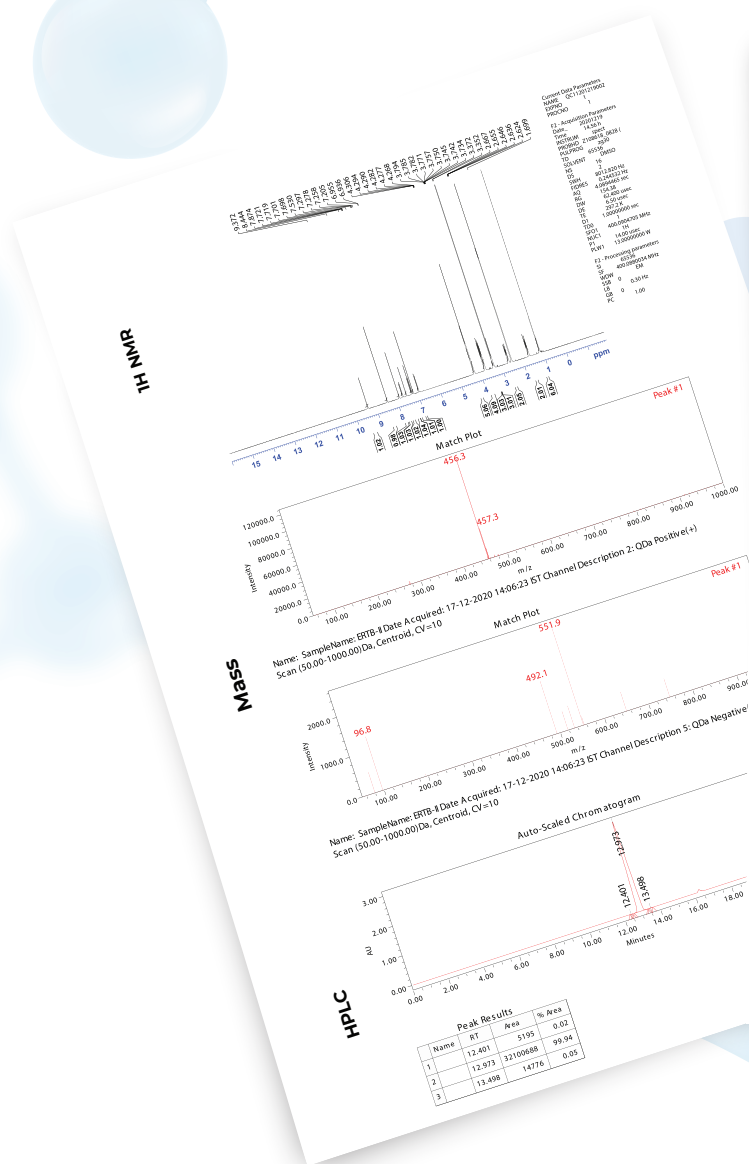
- ❖ More than 250 working standards soon to be added in stock
- ❖ Traceability to pharmacopeial standards provided On-demand
- ❖ Upcoming special facility for deuterated working standards and deuterated metabolites
- ❖ Delivery made globally in stable, shock proof containers

### Working standards & Isotope Labelled Standards

### Organic & Medicinal Chemistry Services

- ❖ Nitrosamine Impurity Synthesis
- ❖ Peptide/ Peptide building blocks Synthesis
- ❖ Enantioselective Chiral Synthesis
- ❖ API route scouting and technology Transfer
- ❖ Advanced API intermediates synthesis route development

# Pharmaceutical impurity reference standards supplied with Certificate of Analysis

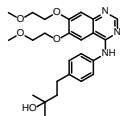


## PharmACE Research Laboratory

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### CERTIFICATE OF ANALYSIS

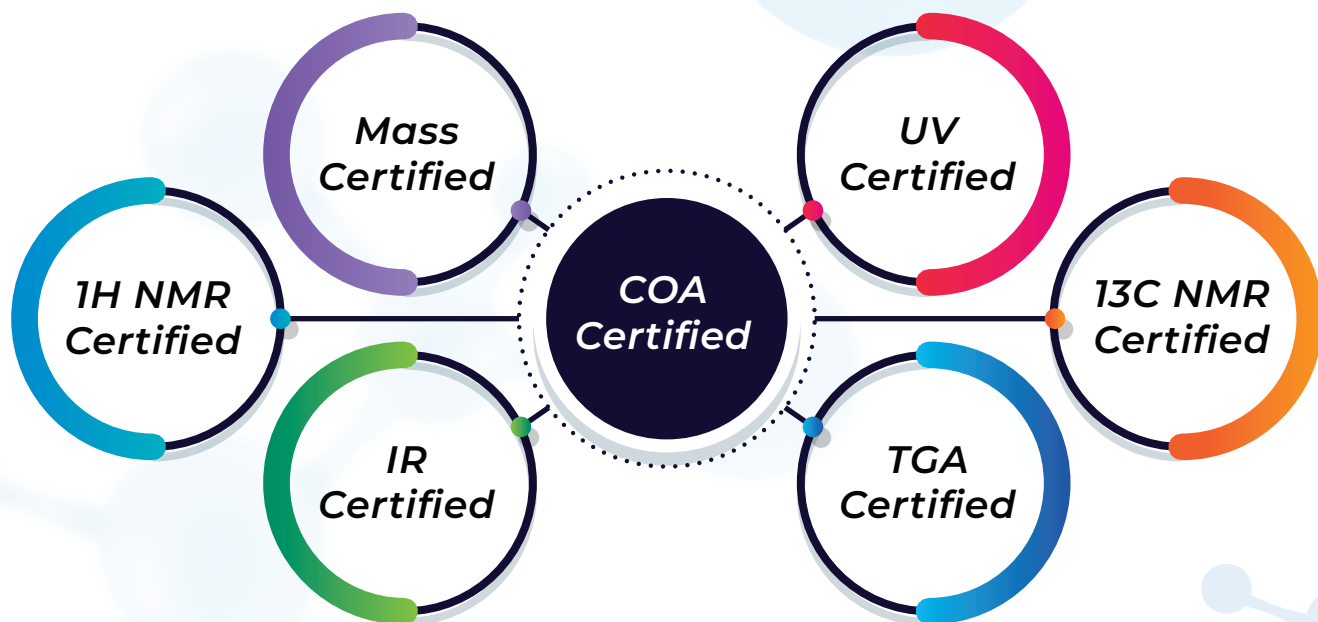
Erlotinib Impurity - II		
IUPAC Name : 4-(4-((6,7-bis(2-methoxyethoxy)quinazolin-4-yl)amino)phenyl)-2-methylbutan-2-ol		
CAS No.	NA	 <b>PA-ERTB-II</b>
Molecular Weight	455.5 g/mol	
Molecular Formula	C <sub>25</sub> H <sub>31</sub> N <sub>3</sub> O <sub>5</sub>	
Batch No.	ERTB-II/2020/1512/01	
Storage Conditions	Store at 2-8°C	
MFG Date	15-12-2020	
Retest Date	15-12-2023	
Test Description	Specifications	Results
Visual Description	Off White solid	Conform
MASS	Conform to structure	Conform
<sup>1</sup> H NMR	Conform to structure	Conform
<sup>13</sup> C NMR	Conform to structure	Conform
IR	Conform to structure	Conform
Purity	-	99.94% HPLC
Water Content(By TGA)	-	0.10%
Potency	-	99.84%

Reviewed By:  
Dr Arpit Patwari



Approved By:  
Dr Kailash Parmar

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# OUR Clients



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