

Certificate of Analysis

Posaconazole 2R,3R-diastereomer

Product Number	PSR42100	CAS No.	170985-61-2
Brand	PureSynth	Lot No.	P42100SK1023
Molecular Formula	C ₃₇ H ₄₂ F ₂ N ₈ O ₄	Date of Mfg.	Oct.2023
Molecular Weight	700.79 g/mol	Date of Exp.	Sep.2027

Test	Specification	Result
Description	Off-white fluffy Solid	Off-white fluffy Solid
Assay (HPLC)	≥ 90.0 %	93.17 %
Identification by ¹ H NMR	Conforms to structure	Conforms
Identification by GC-MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

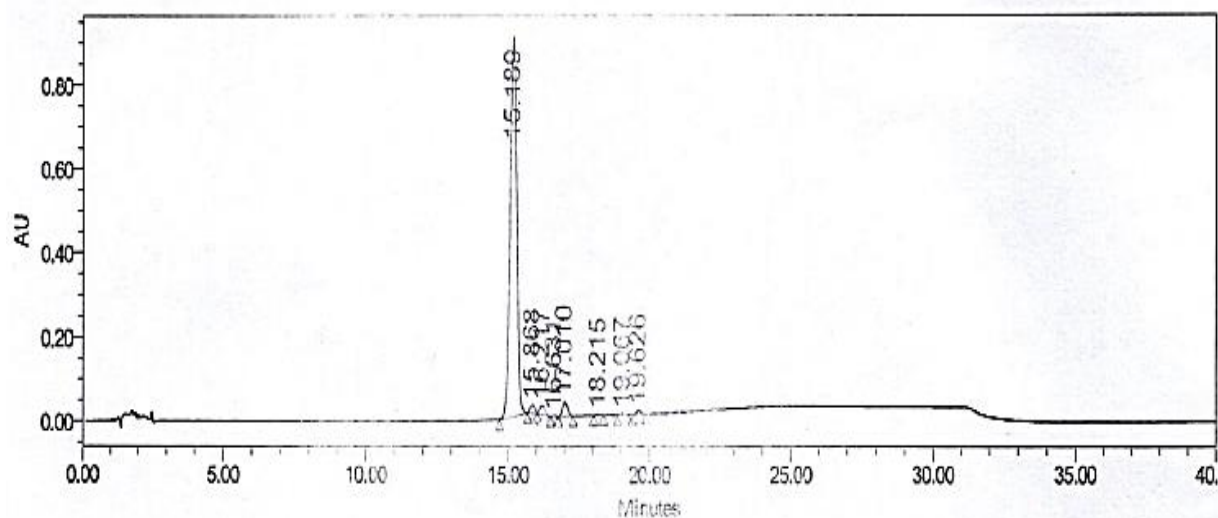
Storage Condition: Store at a temperature of 2-8°C and keep the container tightly closed.

Remark: The batch complies with the prescribed quality of the above specification.

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Assay by HPLC



	RT	Area	% Area	Height
1	15.189	14489906	93.17	905110
2	15.868	235320	1.51	20751
3	16.217	289913	1.86	23696
4	16.631	12457	0.08	1517
5	17.010	396142	2.55	33615

	RT	Area	% Area	Height
6	18.215	17737	0.11	1628
7	19.067	25469	0.16	2615
8	19.626	84846	0.55	9180

Purity by HPLC: 93.17 %

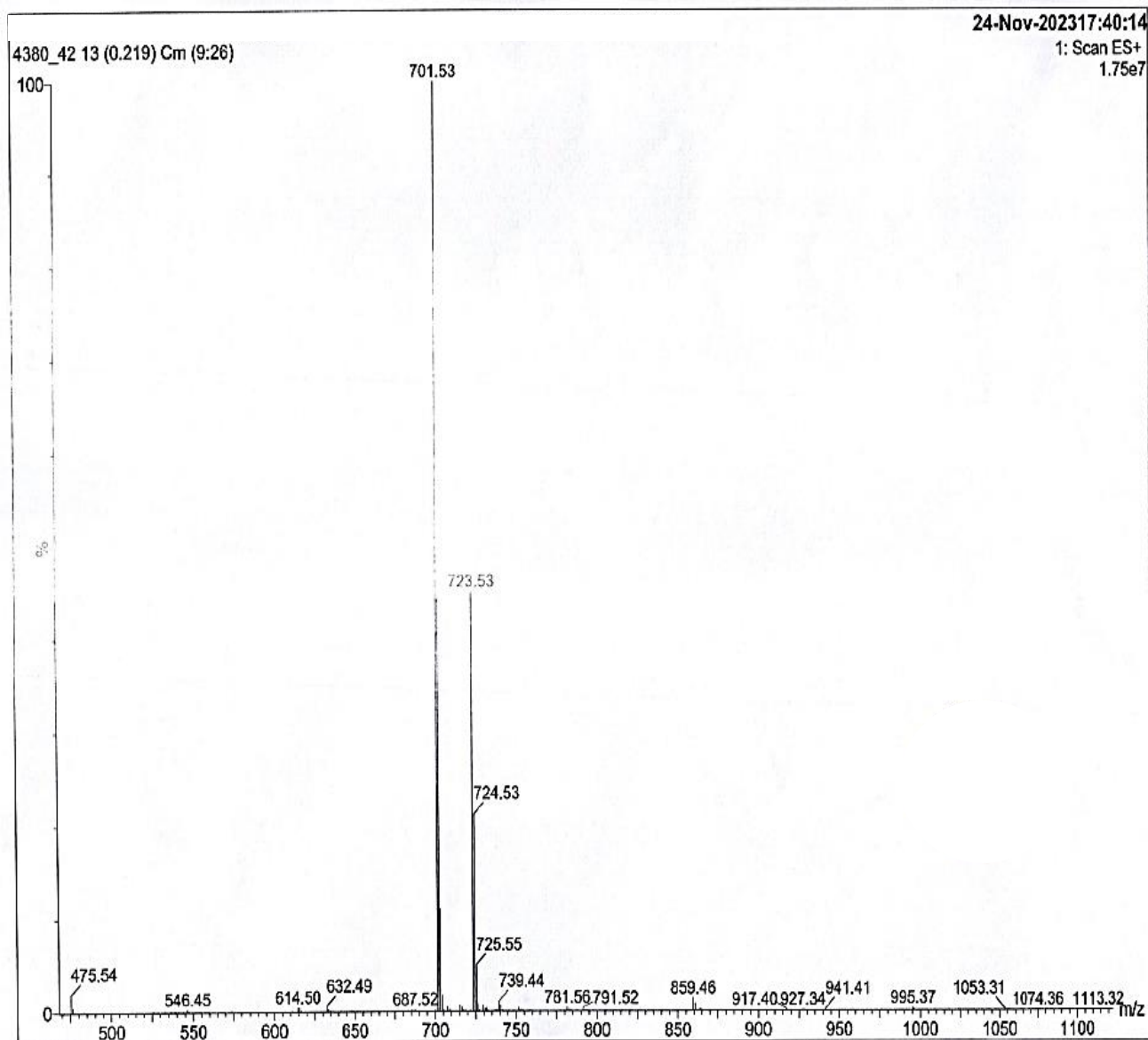
IDENTIFICATION TESTS

MS Spectrum:

Mass by MS:

Product Name: Posaconazole 2R,3R-diastereomer

Product Code: PSR42100



Identification by MS: Conforms to molecular mass

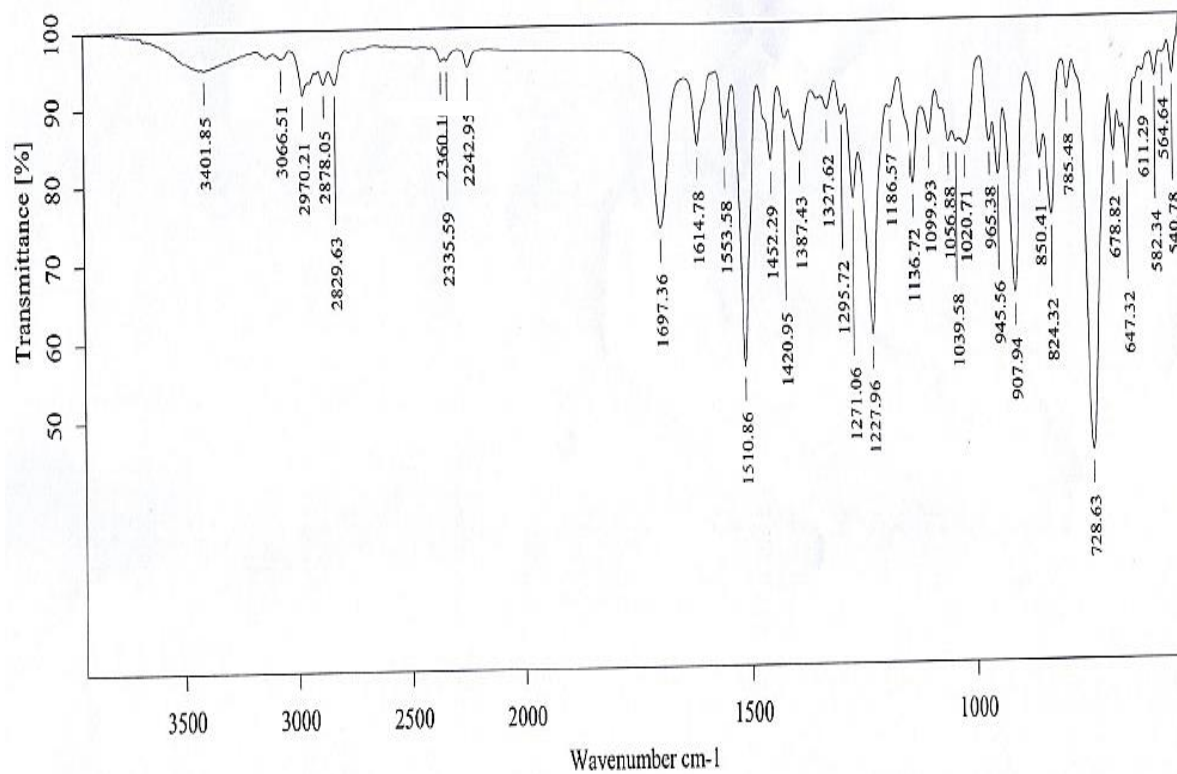
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Infrared spectrum:

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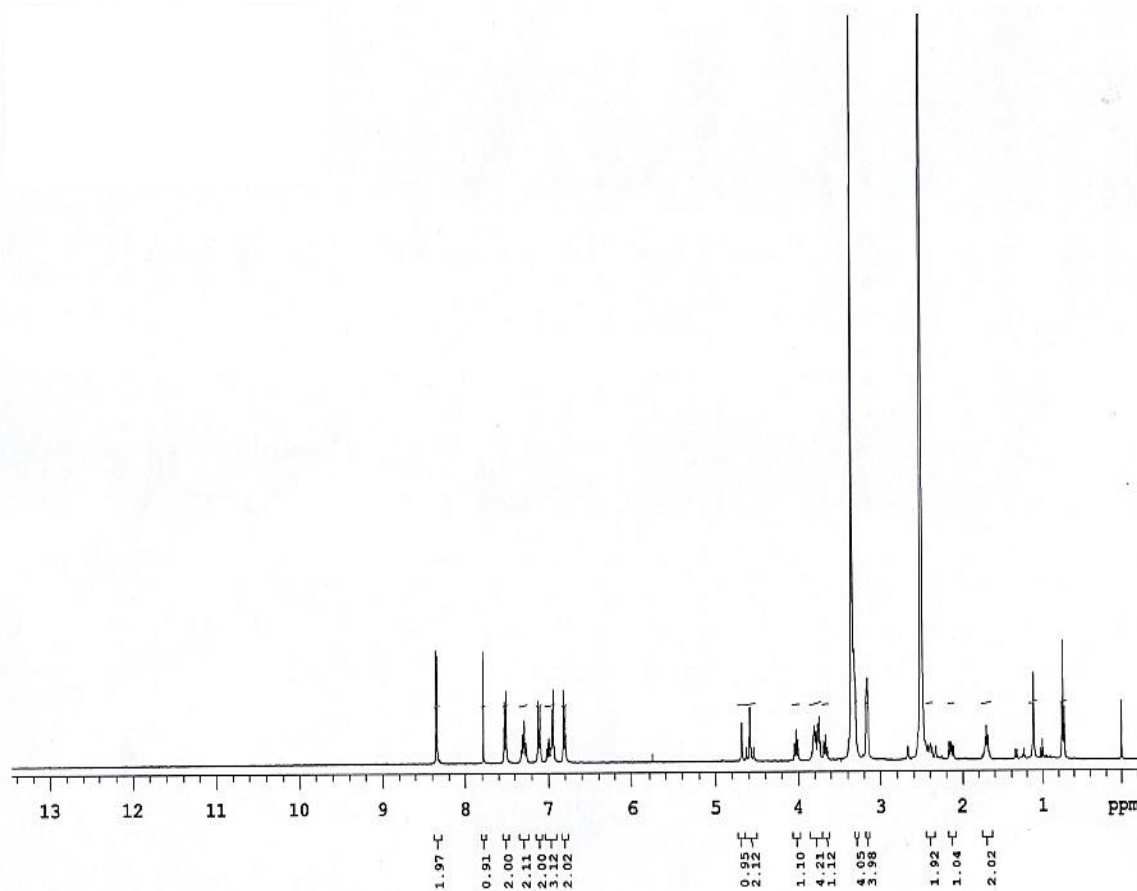


Identification by IR: Conforms to structure

¹H NMR Spectrum:

Product Name: Posaconazole 2R,3R-diastereomer

Product Code: PSR42100



Identification by ¹H NMR: Conforms to structure

Approved By
Head - Technical

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