

Certificate of Analysis

Posaconazole formyl semicarbazide analog Impurity C

Product Number	PSR42102	CAS No.	1350560-57-4
Brand	PureSynth	Lot No.	P42102SV1123
Molecular Formula	C ₃₇ H ₄₄ F ₂ N ₈ O ₅	Date of Mfg.	Nov.2023
Molecular Weight	728.79 g/mol	Date of Exp.	Oct.2027

Test	Specification	Result
Description	Off-white Solid	Conforms
Assay (HPLC)	≥ 97.5 %	97.96 %
Identification by ¹ H NMR	Conforms to structure	Conforms
Identification by MS	Conforms to molecular mass	Conforms
Identification by IR	Conforms to structure	Conforms

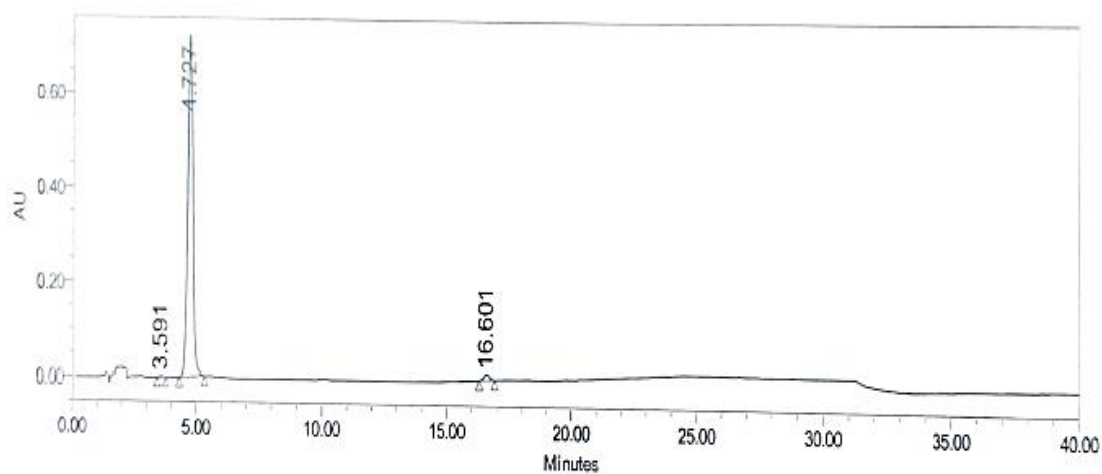
Storage Condition: Store at a temperature of 2-8°C and keep the container tightly closed.

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

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Assay by HPLC



	RT	Area	% Area	Height
1	3.591	28732	0.27	2822
2	4.727	10253395	97.96	722947
3	16.601	185201	1.77	11855

Purity by HPLC: 97.96 %

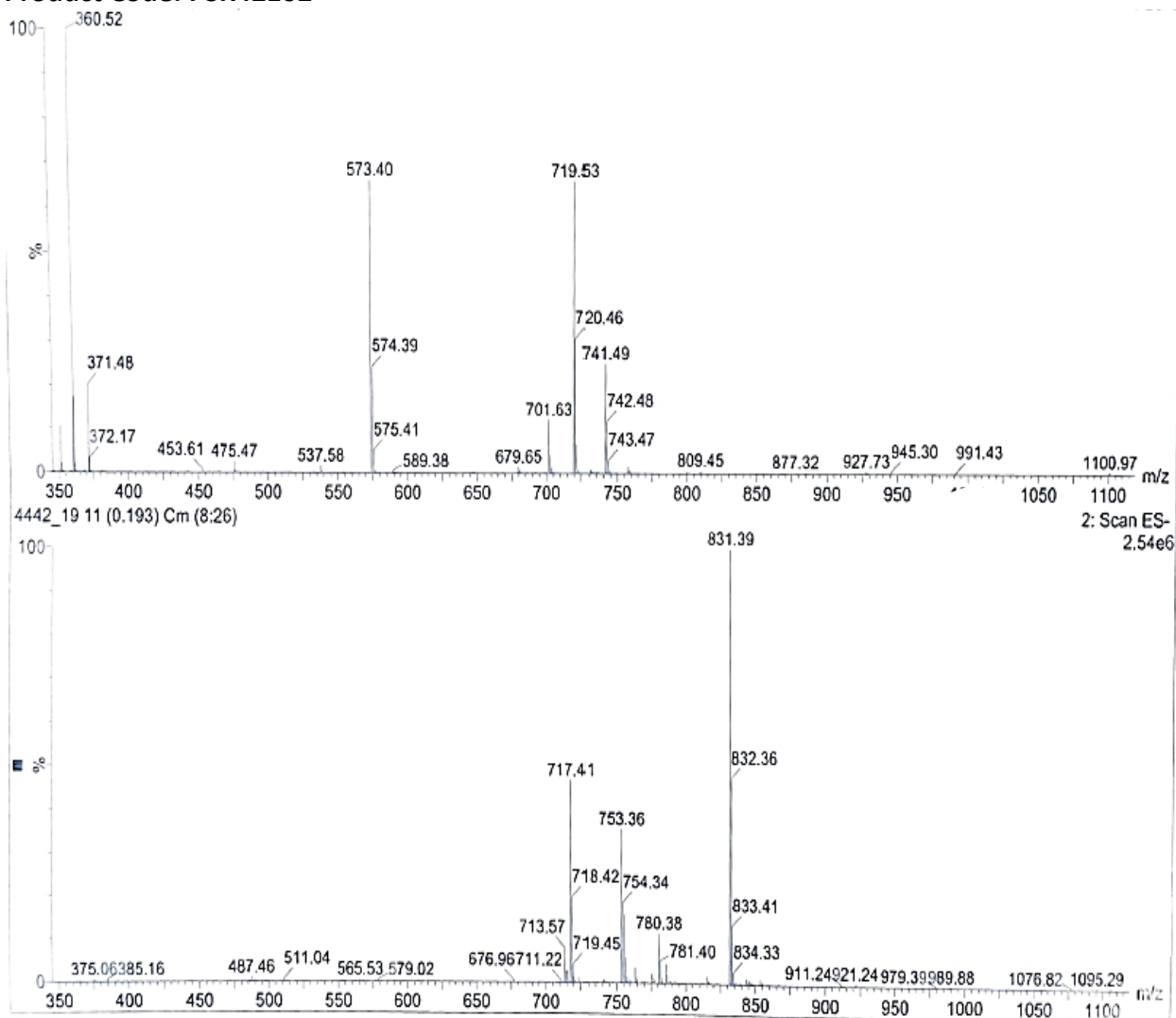
IDENTIFICATION TESTS

MS Spectrum:

Mass by MS:

Product Name: Posaconazole formyl semicarbazide analog

Product Code: PSR42102



Identification by MS: Conforms to molecular mass

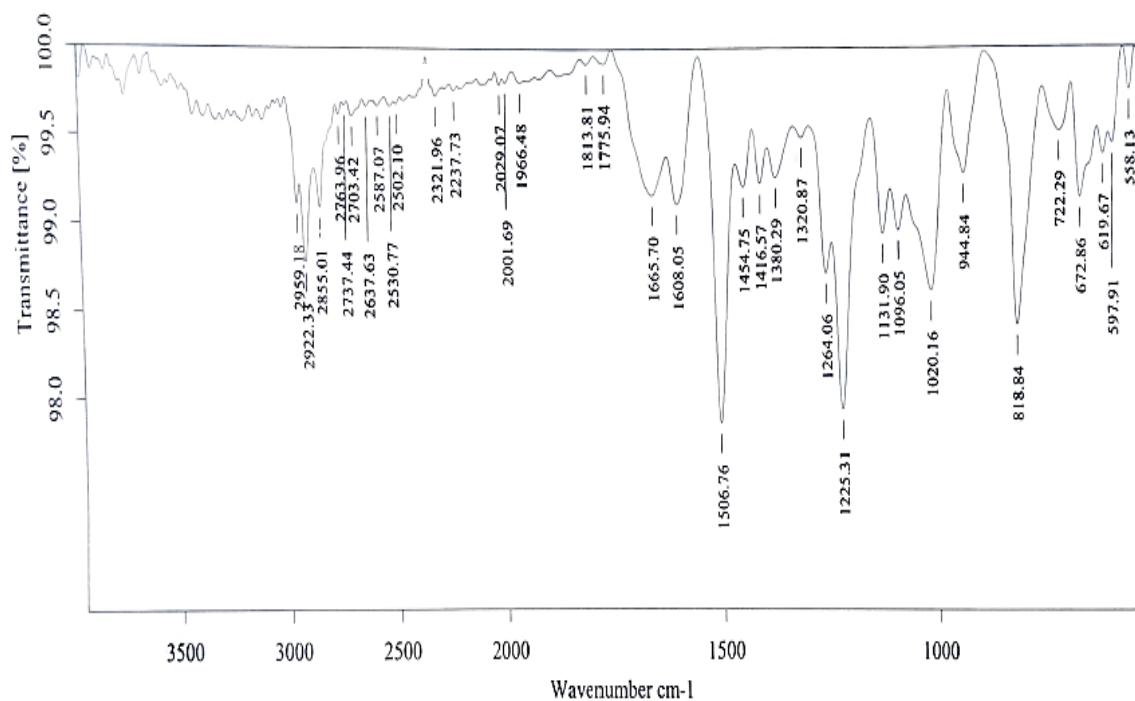
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Infrared spectrum:

Product Name: Posaconazole formyl semicarbazide analog

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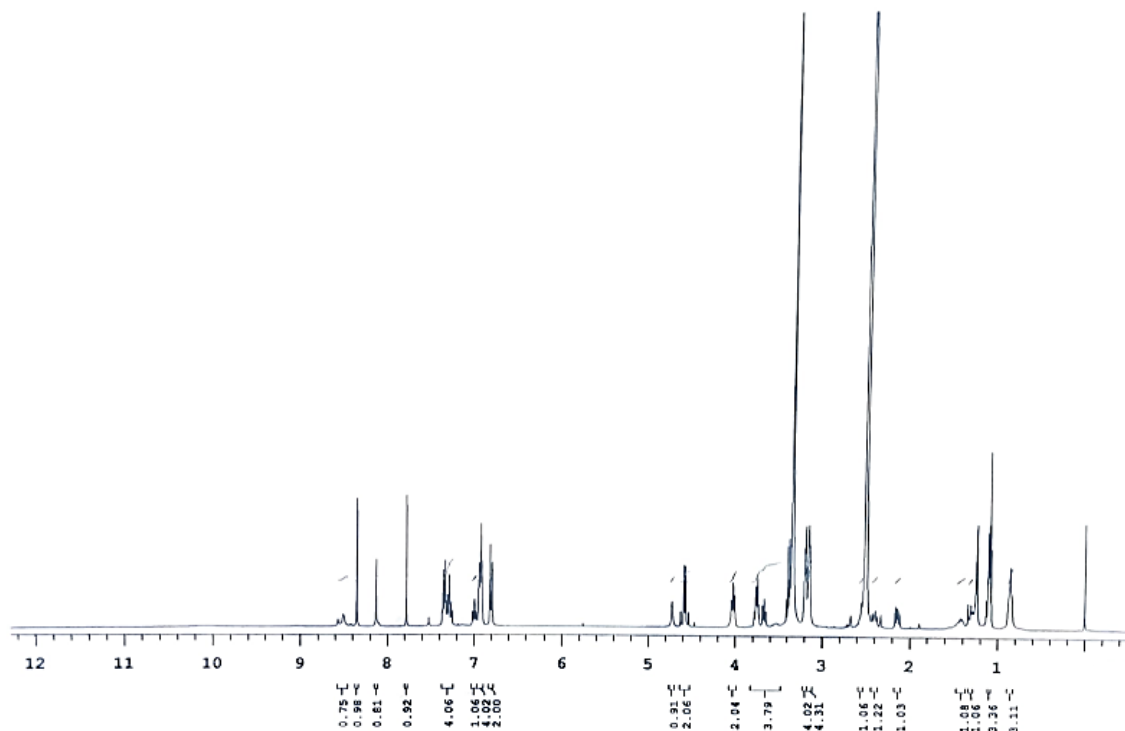


Identification by IR: Conforms to structure

¹H NMR Spectrum:

Product Name: Posaconazole formyl semicarbazide analog

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Identification by ¹H NMR: Conforms to structure

Approved By
Head - Technical

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