

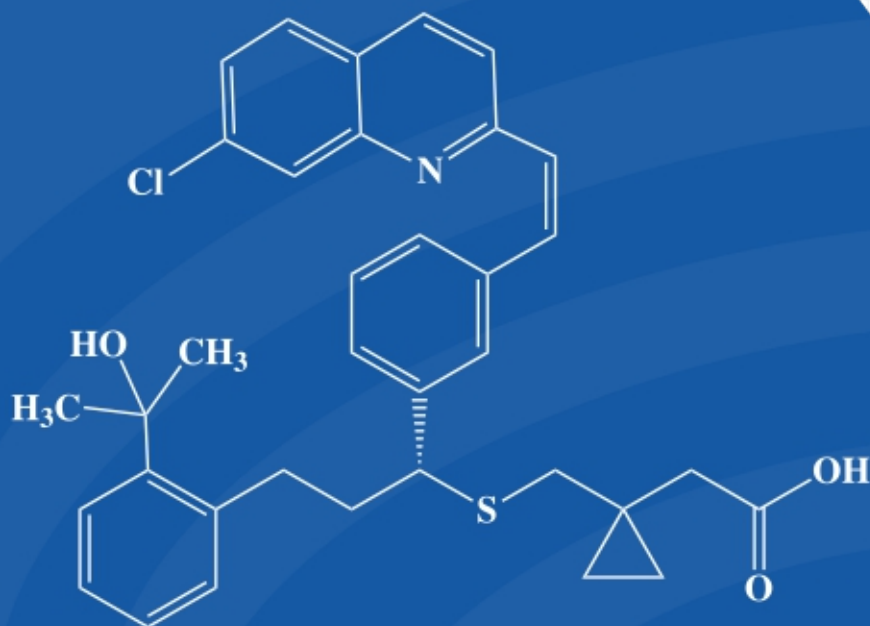


Globesynth Pharma Tech

Specialized in the synthesis of API Impurities, Process Impurities, Degradation Impurities, Potential Impurities, Building Blocks, metabolites of active ingredients and excipients, Medicinal Discovery Chemistry, Custom Synthesis, Materials Chemistry, Library Design and Synthesis, Chiral Synthesis, Peptide Synthesis, Nucleic Acids Chemistry and Process Chemistry. We are a group of highly skilled chemists with backgrounds in higher education who provide a variety of customized synthesis services to the pharmaceutical, agricultural biotechnology and veterinary industries.

We have Inventory of more than 6000+ API Impurities, Standards and API Intermediates In - Stock Which is more than 95% Purity / Potency

Montelukast Cis Isomer



OUR ACCREDITATIONS



WHO WE ARE?



GLOBESYNTH PHARMA TECH is an ISO 9001:2015 certified based contract research organization company, we have 3000 sq. ft. of well-equipped Synthetic laboratory located in Salem, Tamilnadu, India. Globesynth Pharma Tech is focused on providing comprehensive chemistry services to pharmaceutical, biotech companies as well as academic and government institutes. In addition Globesynth Pharma Tech., is a leading manufacturer and supplier of Pharmaceutical drugs impurities, Pharmaceutical Reference standards, analytical reference standards, metabolites of active ingredients and excipients, API, Intermediates and many more....

The range is continually expanding in response to customer requests and developments in the industry. Globesynth Pharma Tech is a full-service contract manufacturing partner utilizing specialized technologies that ideal for the development of pharmaceutical Drug Products, their Active Pharmaceutical Ingredients and intermediates. With our broad expertise in synthetic and medicinal chemistry we help to develop early stage technologies for our clients, providing medicinal and chemical research supports and custom synthesis for a range of bio sciences and medicinal pharma sciences.

WHY CUSTOMERS TURN TO GLOBESYNTH PHARMA TECH?

REFERENCE STANDARDS

PHARMACEUTICAL IMPURITIES

PHARMACOPOEIA & NON PHARMACOPOEIA STANDARDS

EP, USP, BP & IP. ETC.

METABOLITES

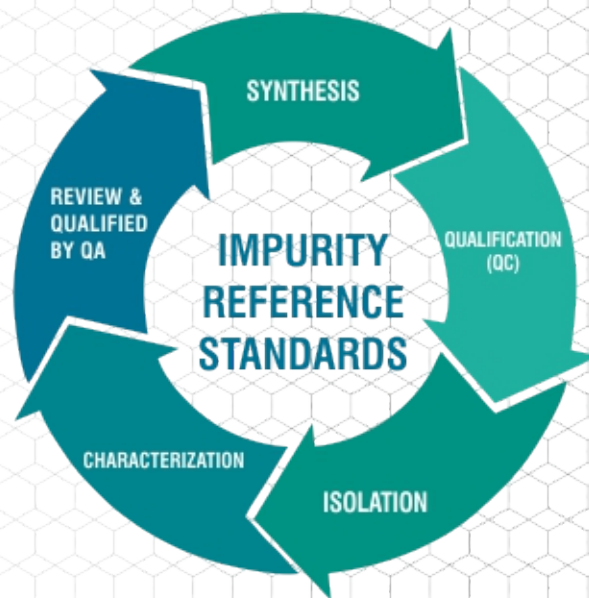
PHOTOCHEMICAL SYNTHESIS PRODUCTS

CUSTOM SYNTHESIS & FINE CHEMICALS

LARGE-SCALE API CONTRACT MANUFACTURING

API PRODUCTS FROM MILLI-GRAM TO KILOGRAM QUANTITIES

API ROUTE SCOUTING & PROCESS DEVELOPMENT



OUR SERVICES

Globesynth Pharma Tech is the flexible, efficient and cost-effective solution for all your contract manufacturing needs and reference standards etc. Our supply chain management, our experience in developing strategic customized solution for

CUSTOM SYNTHESIS

Pharmaceutical Impurities Reference Standards

Custom Synthesis of impurities (mg to gm)

Drug Metabolites, Photochemical & Gluconorides

Custom Synthesis of complex organic molecules

Large scale API intermediates & Fine Chemicals

API Products from Milligram to kilo Gram quantities

Computation evaluation of Genotoxic impurities

New NDDS Molecules & Traceable Working Standards

Process Related impurities Degradation Products

Contract Research Services

API Route Scouting & Process Development

Stable Isotope Labelled Products Isolation & Structure Elucidation of Unknown Impurities

Isolation Purification of Known and Unknown impurity from APIs and Drug Products

ANALYTICAL SERVICES

DMF FILLING

ANALYTICAL METHOD DEVELOPMENT AND VALIDATION SERVICES

ANALYTICAL PROBLEM SOLVING ACTIVITIES

We Followed Standard operating procedures (Pharmacopoeial known method) are prepared and methods transferred to client laboratories, in case method is unknown we developed in-house method which relates with parent molecule by literature search or on the basis of customer method (Vendor qualification). Analytical problem solving activities include identification of unknown peaks, Evaluation of methods with new products or processes, and investigation of faster and simpler analytical alternatives the same tools are frequently used to troubleshoot processes, Development and manufacturing a Compliance Analytical Lab.



SERVICES IN PIPELINE



YEAR 2025 - 2026

- ◆ PHYTO CHEMICALS
- ◆ AGRO CHEMICALS

YEAR 2025 - 2026

- ◆ ADC (ADC LINKER AND PAYLOAD)
- ◆ ISOTOPE LABELLED COMPOUNDS

WHY WORK WITH US?

We design, develop, and optimize economical synthetic routes by leveraging our extensive experience in the field of synthetic organic chemistry.

We are working with many national and international clients and supplying high quality products and cost-effective services.

We have 6000+ API impurities In-Stock with us with more than 95% purity/potency.

Our chemists are well experienced with Ph.D. / M.Sc. degree.

High professional team with multidisciplinary expertise.

Project delivery with 99 % success rate.

We maintain the High level of confidentiality and data protection by end to End with our customers.

All In-Stock products usually get shipped within 48 hours.

Exceptional quality at affordable prices. Setting new standards for affordability.

We fulfil our commitments on time with honesty and integrity to our customer's.

CERTIFICATE OF ANALYSIS (COA)

Fluticasone Dimer Impurity

IMPURITY

EP Fluticasone Propionate Impurity G
USP Fluticasone RP E

Cat. No. GS.37.FL.F.11M



Case No.	220589-37-7
Appearance	Off-White Solid
MW (mol/L)	622.83
Molecular Weight	622.83
Storage	2 to 8°C, Dark

IDENTITY

The Identity of the Reference Substance was Established by Following Analysis

S.No	TEST	SPECIFICATION	RESULT
1	HPLC Purity(%)	NLT 95%	97.8% (Chromatogram Attached)
2	IR	To Conform to Structure	Conforms (Spectra Attached)
3	HNMR	To Conform to Structure	Conforms (Spectra Attached)
4	Mass/ LCMS	To Conform to Structure	Conforms (Spectra Attached)

Pantoprazole Dimer

IMPURITY

EP Pantoprazole Impurity E
USP Pantoprazole RP E

Cat. No. GS.05.PA.M.05



Case No.	211577-94-15-0
Appearance	Yellow to Beige Solid
MW (mol/L)	784.72
Molecular Weight	784.72
Storage	2 to 8°C, Dark

IDENTITY

The Identity of the Reference Substance was Established by Following Analysis

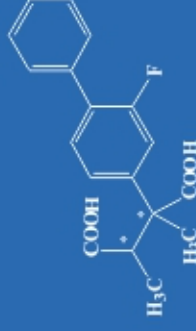
S.No	TEST	SPECIFICATION	RESULT
1	HPLC Purity(%)	NLT 95%	98.9% (Chromatogram Attached)
2	IR	To Conform to Structure	Conforms (Spectra Attached)
3	HNMR	To Conform to Structure	Conforms (Spectra Attached)
4	Mass/ LCMS	To Conform to Structure	Conforms (Spectra Attached)

Flurbiprofen Impurity

IMPURITY

EP Impurity B

Cat. No. GS.36.FL.B.02



Case No.	170883-74-9
Appearance	tan Solid
MW (mol/L)	316.30
Molecular Weight	316.30
Storage	2 to 8°C, Dark

IDENTITY

The Identity of the Reference Substance was Established by Following Analysis

S.No	TEST	SPECIFICATION	RESULT
1	HPLC Purity(%)	NLT 95%	97.25% (Chromatogram Attached)
2	IR	To Conform to Structure	Conforms (Spectra Attached)
3	HNMR	To Conform to Structure	Conforms (Spectra Attached)
4	Mass/ LCMS	To Conform to Structure	Conforms (Spectra Attached)

All Products offered are thoroughly Characterization and Supply to our valuable customer with certified Certificate of analysis (COA) and Supported by comprehensive analytical data like IR, HPLC purity, Mass and NMR. All data are looking closely reviewed and each project undergoes a R&D Head and technical QC review before releasing to our valuable clients. Our COA includes

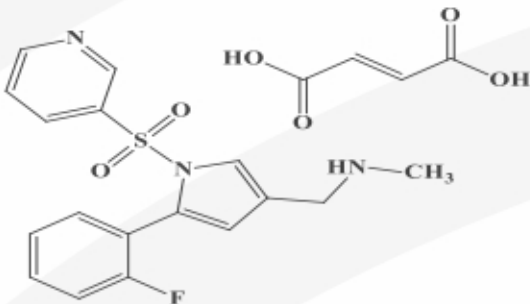
FT-IR, HPLC Purity / GC Purity, HNMR & MS (Mass Spectroscopy)

Apart from this, the customized reports with any of the following analysis are withal available on request

- ♦ Chiral Purity
- ♦ LC-MS
- ♦ Thermo Gravimetric analysis (TGA)
- ♦ Loss on Drying (LOD), Moisture Content
- ♦ CMR (Carbon-13 nuclear magnetic resonance), COSY (Correlation Spectroscopy)
- ♦ HMQC (Heteronuclear Multiple Quantum Coherence)
- ♦ Residual Solvents
- ♦ Specific Optical Rotation (SOR)
- ♦ Elemental Analysis (C,H,N)
- ♦ Halide Content by Ion Chromatography (IC Purity)
- ♦ Capillary Electrophoresis Analysis (CE Purity)
- ♦ Preparative HPLC (Separation)

CERTIFICATE OF ANALYSIS - API

Catalogue Name	1-(5-(2-fluorophenyl)-1-(pyridin-3-ylsulfonyl)-1H-pyrrol-3-yl)-N-methylmethanamine fumarate		
Product Category	Vonoprazan Fumarate - API		
Sub-Category	Standards, Pharmaceutical/API Drug Impurities, Metabolites		
Chemical Name / Synonyms	5-(2-Fluorophenyl)-N-methyl-1-(3-pyridinylsulfonyl)-1H-pyrrole-3-methanamine 2-Butenedioate		
Catalog Number	GS.26.VON.00	Manufacturing Date	31.12.2022
Batch Number	GS-VON-02200	Date of Analysis (HPLC)	04.01.2023
CAS Number	1260141-27-2	Retest Date (HPLC)	04.01.2026

Chemical Structure :	Mol. Weight	345.39 : 116.07
	Mol. Formula	C17H16FN3O2S.C4H4O4
	Description	White to Off-White Solid
	Solubility	DMSO, Methanol
	Storage conditions : Store in a tight container at room temperature . For long term storage keep in between 2-8°C temperature (Refrigerator).	

Applications: Vonoprazan Fumarate is a novel potassium-competitive acid blocker for the treatment of acid-related diseases.




I. Identity

S.No.	Test	Specification	Results
1	HPLC Purity(%)	NLT 98%	99.658% (Chromatogram Attached)
2	IR	To conform to structure	Conforms (Spectra Attached)
3	HNMR	To conform to structure	Conforms (Spectra Attached)
4	Mass/LC MS	To conform to structure	Conforms (Spectra Attached)
5	C13	To conform to structure	Conforms (Spectra Attached)
6	TGA	NMT 2%	0.43%
7	CHN	To conform to structure	Conforms (Spectra Attached)

PO Reference No.	5000078427	Pack Size:	100 GM	Vial Nos :	1
		Place :	Salem, TN		

Shipment Condition & Date : Should be shipped under Amber vial, between 15° and 30° Centigrade & 07.01.2023

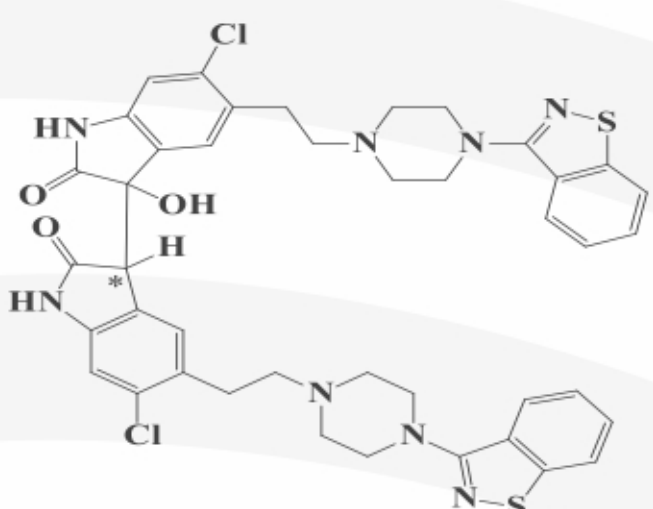
This certificate is valid for Three years from the date of shipment provided the substance is stored under the recommended conditions. (Note: Use for research and Analytical purpose only)

Prepared By	Checked By	Approved By
Ms. V. Abinaya (Research Associative)	Mr. R. Mani (Jr. Scientist)	Mr. Bharat Patel (QC Head)
		



CERTIFICATE OF ANALYSIS - IMPURITY

Catalogue Name	Ziprasidone Related Compound C ; Ziprasidone Dimer		
Product Category	Ziprasidone EP Impurity D		
Chemical Name / Synonyms	5,5'-bis[2-[4-(1,2-benzisothiazol-3-yl)piperazin-1-yl]ethyl]-6,6'-dichloro-3-hydroxy-1,1',3,3'-tetrahydro-2H,2'H-3,3'-biindole-2,2'-dione		
Catalog Number	GS.06.ZIP.04	Manufacturing Date	12.06.2021
Batch Number	GS-ZIP-02104	Date of Analysis	23.08.2023
CAS Number	1303996-68-0	Retest Date	23.08.2026




Chemical Structure :	Mol. Weight	839.85	
	Mol. Formula	C ₄₂ H ₄₀ Cl ₂ N ₈ O ₃ S ₂	
	Description	White to Beige Solid	
	Solubility	Formic Acid, DMSO	
	Storage conditions :	Store in a tight container at Refrigerator, Under inert atmosphere	
	Sub-Category :	Heterocycles, Pharmaceutical Standards, Intermediates, Fine Chemicals, Sulphur and Selenium Compounds	
	Applications :	Title impurity is a compound related to Ziprasidone, which is a combined serotonin (5HT ₂) and dopamine (D ₂) receptor antagonist. Used as an antipsychotic.	

I. Identity

S.No.	Test	Specification	Results
1	HPLC Purity(%)	NLT 95 %	99.118% (Chromatogram Attached)
2	HNMR	To conform to structure	Conforms (Spectra Attached)
3	Purity by LC MS	NLT 95%	100 % (Spectra Attached)
4	Mass	To conform to structure	Conforms (Spectra Attached)

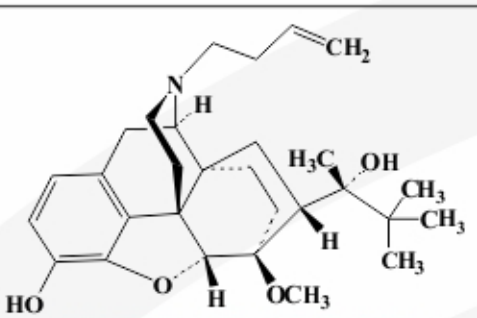
PO Reference No :	APL2/A090/22-23	Pack Size:	50 MG	Vial Nos :	5 (5*10 MG)
		Place :	Salem, TN		

Shipment Condition & Date : Should be shipped under RT , not morethan 30 degree Celcius, for long term storage 2 to 8 °C, dark and Under Inert Atmosphere & 24.08.2023	This certificate is valid for Three years from the date of shipment provided the substance is stored under the recommended conditions. (Note: Use for research and Analytical purpose only)
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Prepared By	Checked By	Approved By
Mr. Rajendra Choudhary (Executive - Synthesis)	Mr. Nand lal mali (Jr. Scientist)	Mr. Bharat Patel (QC Head)
		



CERTIFICATE OF ANALYSIS - IMPURITY

Catalogue Name	Buprenorphine USP Related Compound A		
Product Category	Buprenorphine EP Impurity A (CONTROLLED SUBSTANCE)		
Sub-Category	Aromatics, Impurities, Pharmaceutical Standards		
Chemical Name / Synonyms	(4R,4aS,6R,7R,7aR,12bS)-3-(But-3-en-1-yl)-6-((S)-2-hydroxy-3,3-dimethylbutan-2-yl)-7-methoxy-1,2,3,4,5,6,7,7a-octahydro-4a,7-ethano-4,12-methanobenzofuro[3,2-e]isoquinolin-9-ol ; (2S)-2-[17-(but-3-enyl)-4,5a-epoxy-3-hydroxy-6-methoxy-6a,14-ethano-14a-morphinan-7a-yl]-3,3-dimethylbutan-2-ol ; (S)-2-[17-(But-3-en-1-yl)-4,5a-epoxy-3-hydroxy-6-methoxy-6a,14-ethanomorphinan-7a-yl]-3,3-dimethylbutan-2-ol		
Catalog Number	GS.59.BPN.01	Manufacturing Date	25.09.2023
Batch Number	GS-BPN-02301	Date of Analysis (HPLC)	06.10.2023
CAS Number	457071-73-7	Retest Date (HPLC)	06.10.2026
Chemical Structure :		Mol. Weight	467.64
 <p style="text-align: center; color: red; font-weight: bold;">CONTROLLED SUBSTANCE</p>		Mol. Formula	C ₂₉ H ₄₁ NO ₄
		Description	White to Off-White Solid
		Solubility	Dichloromethane, Methanol & Ethyl Acetate
		Storage conditions :	Store in a tight container at room temperature . For long term storage keep in between 2-8° C temperature (Refrigerator).

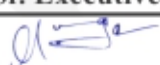
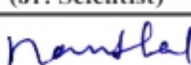

Applications: N-(3-Butenyl)norbuprenorphine is a impurity of Buprenorphine which used to treat dependence/addiction to opioids.

I. Identity			
S.No.	Test	Specification	Results
1	HPLC Purity(%)	NLT 95%	96.168% (Chromatogram Attached)
2	IR	To conform to structure	Conforms (Spectra Attached)
3	HNMR	To conform to structure	Conforms (Spectra Attached)
4	Mass/LC MS	To conform to structure	Conforms (Spectra Attached)
5	TGA	NMT 2%	0.317

PO Reference No.	IPC/5533/2022-23/C/195	Pack Size: Place :	10 GM Salem, TN	Vial Nos :	1
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Shipment Condition & Date : Should be shipped under Amber vial, between 15° and 30° Centigrade & 10.10.2023

This certificate is valid for Three years from the date of shipment provided the substance is stored under the recommended conditions.
(Note: Use for research and Analytical purpose only)

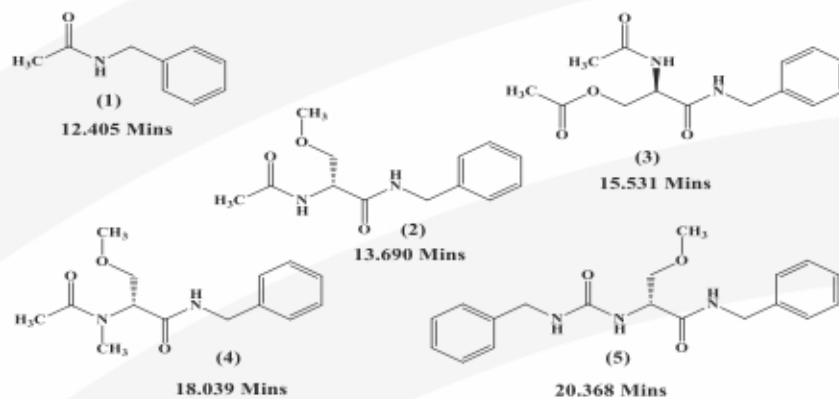
Prepared By	Checked By	Approved By
Mr. Murugan (Sr. Executive)	Mr. Nand lal malli (Jr. Scientist)	Mr. Bharat Patel (QC Head)
		



CERTIFICATE OF ANALYSIS - SYSTEM SUTABILITY (SST)

Catalogue Name	Lacosamide for system suitability CRS		
Chemical Name / Synonyms	A mixture of Lacosamide EP Impurity G (N-Benzylacetamide) (1), Lacosamide ((2R)-2-(Acetylamino)-3-methoxy-N-(phenylmethyl)propanamide) (2), Lacosamide EP Impurity B ((2R)-2-(Acetylamino)-3-(acetyloxy)-N-(phenylmethyl)-propanamide) (3), Lacosamide EP Impurity C (N-benzyl-3-methoxy-2-(N-methylacetamido)propanamide) (4) and Lacosamide EP Impurity I ((2R)-N-Benzyl-2-[(benzylcarbamoyl)amino]-3-methoxypropanamide) (5)		
Product Category	Impurities, Metabolites, Pharmaceutical Standards, Intermediates, Fine Chemicals		
Catalog Number	NA	Manufacturing Date	03.09.2022
Batch Number	NA	Date of Analysis	08.09.2022
CAS Number	175481-36-4	Retest Date	08.09.2024
Mol. Weight	NA	Mol. Formula	NA
Description	NA	Solubility :	DMSO (Slightly), Methanol (Slightly)
Storage conditions :	Store in Refrigerator, under inert atmosphere		

Chemical Structure :



Applications: Lacosamide appears to have a dual mode of action: selective enhancement of sodium channel inactivation and modulation of collapsin response mediator protein-2.

I. Identity

S.No.	Test	Specification	Results
1	HPLC Purity(%)	Relative retention with reference to lacosamide (retention time = about 12 min) : impurity G = about 0.9 ; impurity B = about 1.2 ; impurity C = about 1.3 ; impurity I = about 1.6	Relative retention with reference to lacosamide (retention time = about 13.690 min) : impurity G = about 0.91 ; impurity B = about 1.13 ; impurity C = about 1.32 ; impurity I = about 1.487 with reference to Pharmeuropa 28.3 & it seems to be complies. (Spectral Data Attached)

Purchase Order No.:	4509009958	Pack Size:	10 MG	Vial Nos :	1
		Place :	Salem, TN		

Shipment Condition & Date : Should be shipped under Amber vial, between 15° and 30° Centigrade & 17.09.2022

This certificate is valid for Two years from the date of shipment provided the substance is stored under the recommended conditions. (Note: Use for research and Analytical purpose only)

Prepared By	Checked By	Approved By
Ms. V. Abinaya (Research Associative)	Mr. Nand Lal (Jr. Scientist)	Mr. Bharat Patel (QC Head)



CERTIFICATE OF ANALYSIS - (COMMERCIAL)

Catalogue Name	N-Acetyl-D-alanine		
Product Category	OXYGEN-FUNCTION AMINO-COMPOUNDS ; STANDARDS		
Chemical Name / Synonyms	Ac-D-Ala-OH ; (R)-2-Acetamidopropanoic acid Acetyl-D-Alanine ; (2R)-2-acetamidopropanoic acid ; (R)-2-Acetylamino-propionic acid ; N-alpha-Acetyl-D-alanine ; (R)-2-acetamido-propanoic acid		
Catalog Number	GS.NADA.00		
Batch Number	GS-NAA-02100		
CAS Number	19436-52-3		
Manufacturing Date	10.02.2021		
Mol. Weight	131.13	Description	White to Off White Powder
Mol. Formula	C5H9NO3	Solubility	Methanol, DMSO, MDC
Date of Analysis	17.02.2021	Residual solvents	Method ¹ H-NMR
Retest Date	17.02.2022	Result (n = 1) ¹ H-NMR No significant amounts of residual solvents were detected and it is (< 0.05 %)	
Storage conditions	Store in a tight container at Room Temp. For long term storage keep in between 2-8°C temperature (Refrigerator).		

I. Identity

S.No	Test'(s)	Specification	Results
1	Purity(%) TLC	NLT 98%	Conforms ≥98% (TLC) (Attached)
2	Quantitative assay by NMR	NLT 97%	Conforms Assay in % 97.721 (Attached)
3	IR	To conform to structure	Conforms (Spectra Attached)
4	HNMR	To conform to structure	Conforms (Spectra Attached)
5	Mass/LC MS	To conform to structure	Conforms (Spectra Attached)
6	C13 NMR	To conform to structure	Conforms (Spectra Attached)
7	Elemental Analysis (CHN)	Carbon 44.8-46.8% Nitrogen 10.4-11.1%	Conforms C _{45.8%} N _{10.82%} (Spectra Attached)
8	Specific Optical Rotation	c = 1, H ₂ O, 25 deg C 60-66	61.5 (Attached)
9	LOD with (TGA)	Maximum 0.5 %	0.2% (Attached)
10	Loss on drying	Maximum 0.5 %	0.12% (Attached)
11	Residue on Ignition	Maximum 0.1 %	0.001% (Attached)
12	Heavy Metals	Maximum 10 ppm	Complies (Results Attached)
13	Assay By Potentiometric Titration	NLT 98%	99.7% (Attached)
14	Microbial enumeration & BET	1. Total Aerobic Microbial count 2. Total Yeast and Mould 3. E.Coli 4. Staphylococcus Aureus 5. Salmonella sp. 6. Pseudomonas Aeruginosa	Complies (Results Attached)

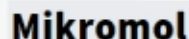
Application(s)	differentiation and characterization of D-aminoacylase(s)/amidohydrolase(s) and study			
Product Shipment Date:	10.04.2022	Pack Size:	500 GM	Vial(s) 1 * 500 GM

This certificate is valid for one year from the date of shipment provided the substance is stored under the recommended conditions.

Prepared By Ms. S.Sowmiya (Research Associate)	Checked By Mr. Mani (Jr. Scientist)	Approved By Mr. Mohamed Rafi (Head R&D)



OUR VALUABLE CLIENTS



OUR VISION

A vision statement for a company focuses on the potential inherent in the company's future, **A Globesynth Pharma Tech** goal is to attain total client achievement by rewarding all needs of the customers through wonderful technological know-how, a variety of administrative talents and new accurate solutions so as to become a leading supplier of API Impurity Reference Standards.

To manufacture sustainable products through viable technologies.

OUR MISSION

Our mission is to provide quality services and innovative cost-effective custom solutions to our clients, in a timely fashion, to help our customers achieve their research and development and commercial objectives.

Our mission is to Research Chemical Processes and develop Environmental friendly technologies at affordable prices.

- Strong Capability to develop complex synthesis also do purification & characterization of Unknown impurities for sample.
- Custom Synthesis of Organic Compound including API, Impurities & Metabolites.
- Determination of RT, RRT, & RT by Pharmacopeia Method.
- High Level of Confidentiality & Data Protection.
- We Also Accept the custom synthesis as per EP, USP, BP, JP, IP, Ih, etc...
- We Maintain to Our Customer support for on time delivery with 99% success rate.
- We also provide Structure Elucidation Report (SER) which proves structure & analytical data
- More than 100 Genotoxic nitroso impurities available in gm scale and ready to dispatch.



Globesynth Pharma Tech

📍 No. 6/115A New No. 4/155 Soolaimadu,
Uthamacholapuram,
Salem - 636 010. Tamil Nadu.

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