www.resonanceresearchlab.com

RESONANCE RESEARCH LAB

RESONANCE
RESEARCH LAB

About Us

Resonance Research Lab was founded with a vision to advance pharmaceutical and analytical chemistry in the region. From our earliest days as a specialized testing facility, we have grown into a trusted partner for pharmaceutical manufacturers, research institutions, and regulatory bodies.

Over the years, we have continuously expanded our capabilities, invested in state-of-the-art instrumentation, and built a team of highly qualified scientists and analysts. Our commitment to precision, integrity, and innovation has guided every milestone of our journey — from our first ISO certification to the launch of our flagship analytical services.

Today, Resonance Research Lab stands as a center of excellence, recognized internationally for the quality and reliability of our work.

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Our Mission

At Resonance Research Lab, our mission is to deliver precise, reliable, and innovative pharmaceutical and analytical chemistry solutions that advance the standards of scientific excellence. We are committed to supporting the healthcare and research community through rigorous testing, quality assurance, and the continuous development of cutting-edge methodologies — ensuring safety, integrity, and trust in every analysis we perform.

Our Vision

Together, for a future driven by innovation, excellence, and scientific progress.

At Resonance Research Lab, we combine local expertise with global scientific standards to advance pharmaceutical research and development. Proudly local and regionally driven, we are committed to supporting the pharmaceutical industry across the MENA region through strong partnerships, scientific collaboration, and continuous improvement. We strive to strengthen regional scientific capabilities and become a trusted partner in delivering reliable, high-quality reference standards, contributing to innovation, research excellence, and the continued growth of the pharmaceutical industry.

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Why choose us?

Expertise & Innovation

Expertise: Decades of experience and deep industry knowledge.
Innovation: Cutting-edge technology and continuous advancement.

Quality & Regional Leadership

Quality: Uncompromised standards to ensure reliability and accuracy.
Regional Leadership: A trusted partner across the MENA region.

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Our Journey

2017 - 2018

🔬 Founded

Resonance Research Lab established, beginning operations as a specialized pharmaceutical and analytical chemistry research facility.

2019 - 2020

🚀 Expansion

Launched expanded lab capabilities, enhancing production capacity and increasing the company's product portfolio to over 100 products

2021 - 2022

🏆 ISO Certified

Achieved ISO 9001 quality management certification, marking a major milestone in standardized laboratory operations and quality assurance.

2023 - 2024

📈 Growth

Expansion of the workforce, growth of the product portfolio to more than 1,000 products, and enhancement of capabilities through the introduction of advanced equipment.

2025 - 2026

🎖️ Evolution

Secured new certifications and approvals, strengthening the company's position and expanding its reach in local and regional markets.

Our Core Values

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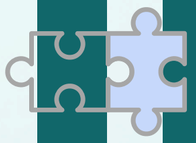
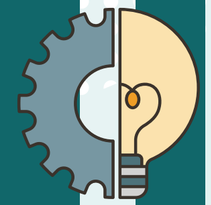


Integrity & Ethics

Innovation

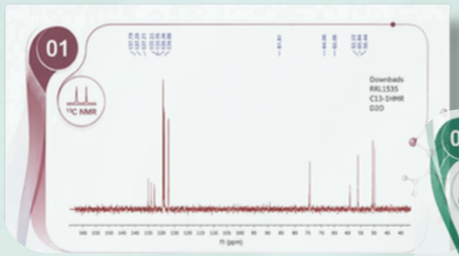


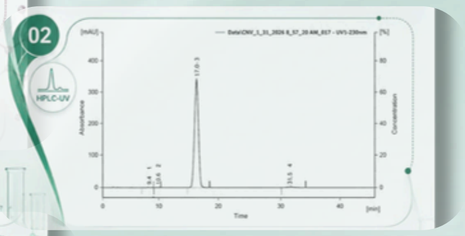
Professionalism

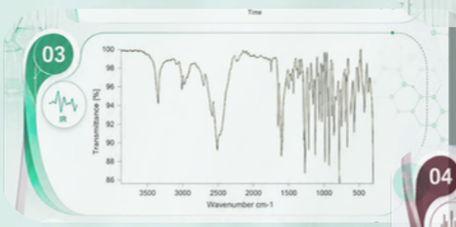
Leadership

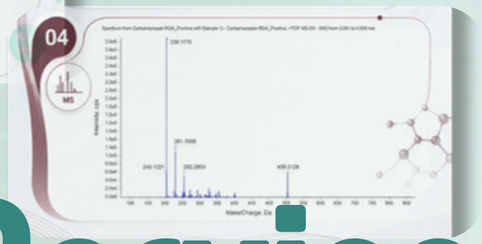
Teamwork & Respect

Quality & Trust









Our Services


Resonance Research Lab

Certificate of Analysis

Product Name: Deferiprone Primary Standard
Lot No: Dei-26-2595
Catalogue No.: RRL0202
Material type: Primary Standard
CAS No: 504-24-5
M.Formula: $C_5H_5N_1$
M.Weight: 94.12 g/mol
Source of product: Synthetic
IUPAC Name: pyridin-4-amine
Synonyms: 4-Pyridinamine; 4-Aminopyridine; p-Aminopyridine; γ-Aminopyridine
Structure
Storage Condition: Refrigerator, under inert atmosphere, protect from light
Shipping Conditions: Product is stable to be shipped at room temperature

Analytical Data

Test	Specifications	Results
Appearance	White to off-white solid	White Solid
Identification-NMR	Conforms to structure	Conforms
Identification-MS	Conforms to structure	Conforms
Identification-IR	Conforms to structure	Conforms
Water content	Record	0.12%
Assay (Anhydrous Base)	≥95%	100.0%
Assay (As is)	-	99.9%

Test date: 16-Apr-2026
Retest date: 15-Apr-2029
Reviewed By: Esraa Ghaleb
Quality Supervisor Approval: Razan Amin
16/04/2026
16/04/2026

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Our Products:

-Analytical Reference Standards.
-Primary Standards.
-Custom Synthesis.
with Technical support:
-Certificate of Analysis, and Technical Data with:
Full structure elucidation (MS, NMR, IR) and Purity tests (HPLC, GC).

Analytical Services:

-Isolation and characterization of impurities and degradation products.
-Analytical method development and validation.
-Analytical testing services.
.HPLC, GC-FID, KF, and TGA analysis.
.MS, NMR, and IR spectroscopy.

Training and Consultancy:

-Analytical method development.
-Setting correct specifications for impurities and degradation in drug substances and drug products.
-Forced degradation studies.
-Efficient use of pharmacopeias.
-HPLC and GC basic and advanced training.

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Our Commitment to Quality

Our company is ISO 9001 certified and is committed to maintaining the highest standards of quality and compliance.

Our products meet the requirements and specifications set by the Jordanian Food and Drug Authority (JFDA).

EURO CERT

Certificate No.
103JOQMS

Date of Initial Issue
08/11/2024

Transfer Date
05/01/2026

The Certificate is valid until
07/11/2027

CERTIFICATE

EUROCERT certifies that the company

RESONANCE RESEARCH LAB
Wadi Alseer, Industrial Area, Al-Khansaa st., Amman, Jordan

RESONANCE
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implements Quality Management System according to the Standard:

EN ISO 9001:2015

for the following field of application:

REFERENCE MATERIALS PRODUCTION AND TESTING.

On behalf of EUROCERT S.A.
EURO CERT
INSPECTION AND CERTIFICATION COMPANY S.A.
Director, International Markets

Lack of fulfilment of the conditions set out in the contract No.: 06.005978.25 may render this Certificate invalid.
Please check the validity of the Certificate from our website using the password below X5wbbe3p
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EUROCERT S.A. 89, Chiou & Lykouriotou str., GR 144 52, Metamorfosi - Greece
T +30 210 62.52.495, 30 210 62.53.927, F +30 210 62.018, M eurocert@otenet.gr

IAF ESYD
MS Certification
Cert. No.: 5

RESONANCE
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Founders

Ahmad Al-Bzour
BSc Pharmacy

Anas AlShishani
PhD Separation science

Fouad Darras
PhD Medicinal Chemistry

Our Partners

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Our Facilities

- Organic Synthesis Lab
- Analytical Chemistry Lab
- Storage Area
- Management and Administrative Area

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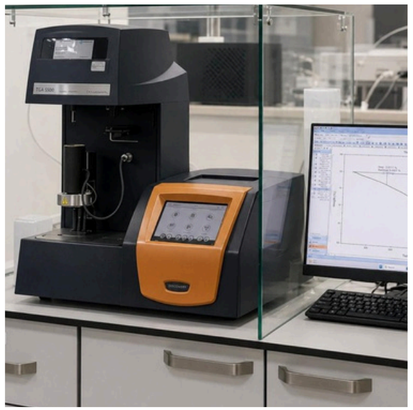
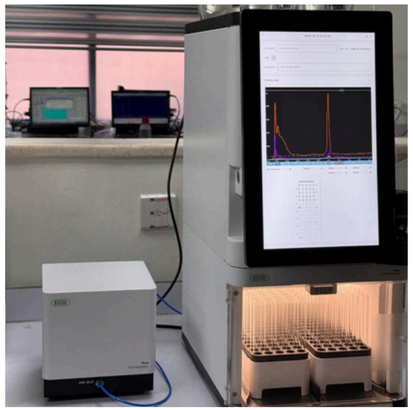
Laboratory Capabilities

GC



TGA



Perp-HPLC

Karl Fischer

Microwave Reactor

HPLC

Rotary Evapotaors

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By the Numbers

>2,500 batch

>1,500 standard

>25 Identification Project

>100 Customer

>95% CSI

>12 Countries Served

Our Scientific Publications

JOURNAL OF ENZYME INHIBITION AND MEDICINAL CHEMISTRY
2023, VOL. 38, NO. 1, 2281264
https://doi.org/10.1080/14756366.2023.2281264

Taylor & Francis
Taylor & Francis Group

RESEARCH ARTICLE

OPEN ACCESS Check for updates

Synthesis, biological evaluation, and computational studies of *N*-benzyl pyridinium–curcumin derivatives as potent AChE inhibitors with antioxidant activity

Nafisah M. Al-Rifai[a], Nemeh M. Al-Khalileh[b], Jalal A. Zahra[b], Musa I. El-Barghouthi[c] and Fouad H. Darras[d]

[a]Pharmaceutical-Chemical Engineering Department, School of Medical Sciences, German Jordanian University, P.O. Box 35247, Amman 11180, Jordan; [b]Chemistry Department, The University of Jordan, Amman, Jordan; [c]Department of Chemistry, Faculty of Science, The Hashemite University, Zarqa 13133, Jordan; [d]Resonance Research Lab, Amman, Jordan

Contents lists available at ScienceDirect

Journal of Pharmaceutical Analysis

journal homepage: www.elsevier.com/locate/jpa

Original article

Solriamfetol impurities: Synthesis, characterization, and analytical method (UPLC-UV) validation

Nafisah Al-Rifai [a, *], Anas Alshishani [b, c], Fouad Darras [c], Ola Taha [c], Shereen Abu-Jalloud [c], Lena Shaghlil [b], Yousef Al-Ebini [d]

[a] *Pharmaceutical and Chemical Engineering Department, School of Medical Sciences, German Jordanian University, Amman, Jordan*
[b] *Faculty of Pharmacy, Zarqa University, Zarqa, Jordan*
[c] *Research and Development Department, Resonance Research Lab, Amman, Jordan*
[d] *Department of Pharmaceutics, College of Pharmacy, King Khalid University, Abha, Saudi Arabia*

separations

MDPI

Article

Synthesis, Isolation, Identification and Characterization of a Drug-Excipient Interaction Degradation Impurity in Pramipexole by HPLC, LC/MS and NMR

Nafisah Al-Rifai [1,*], Anas Alshishani [2,*], Bahruddin Saad [3], Anas Rasras [4], Jalal Zahra [5], Shadi Madieh [6] and Fouad Darras [7]

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3 Fundamental & Applied Science Department, University Technologi PETRONAS, Seri Iskandar 32610, Malaysia
4 Department of Chemistry, Faculty of Science, Al-Balqa Applied University, Al-Salt 19117, Jordan
5 Chemistry Department, Faculty of Science, The University of Jordan, Amman 11942, Jordan
6 MS Pharma, Amman 11844, Jordan
7 Research and Development Department, Resonance Research Lab, Amman 11110, Jordan
* Correspondence: nafisah.rifai@gju.edu.jo (N.A.-R.); aalshishani@zu.edu.jo (A.A.); Tel.: +96-27-9752-4858 (N.A.-R.)

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We welcome your questions and collaboration

Resonance Research Lab |