

Nanopharmaceutics Announces Issuance of U.S. Patent Covering Oral Triapine® Formulations and Methods of Treating Cancer

New patent further strengthens global intellectual property estate supporting Nanopharmaceutics' lead program Triapine® in pancreatic cancer and glioblastoma

ALACHUA, FL, UNITED STATES, September 1, 2026 /EINPresswire.com/ -- [Nanopharmaceutics, Inc.](#), a clinical-stage pharmaceutical development company, today announced that the United States Patent and Trademark Office (USPTO) issued U.S. Patent No. 12,723,026, titled, "Compositions and Methods for Oral Delivery of Crystalline [Triapine](#)." The issued patent includes 30 claims related to oral formulations of Triapine®, methods of manufacturing Triapine®, as well as using Triapine® compositions to treat cancer. Nanopharmaceutics' partner Finnegan, Henderson, Farabow, Garrett & Dunner LLP served as patent counsel.

Oral Triapine® is currently in two active clinical studies in combination with peptide receptor radionuclide therapy (PRRT) for metastatic neuroendocrine tumors and two active clinical studies with temozolomide and radiation for glioblastoma:

NCT06410248 "Triapine in Combination With Temozolomide for the Treatment of Patients With Recurrent Glioblastoma"

NCT06860594 "Testing the Addition of an Anti-Cancer Drug, Triapine, to the Usual Radiation Therapy for Recurrent Glioblastoma or Astrocytoma"

NCT04234568 "Testing the Addition of an Anti-cancer Drug, Triapine, to the Usual Radiation-Based Treatment (Lutetium Lu 177 Dotatate) for Neuroendocrine Tumors"

NCT05724108 "Testing the Effectiveness of an Anti-cancer Drug, Triapine, When Used With Targeted Radiation-based Treatment (Lutetium Lu 177 Dotatate), Compared to Lutetium Lu 177 Dotatate Alone for Metastatic Neuroendocrine Tumors"

Nanopharmaceutics' patent portfolio includes multiple U.S. and international patents covering its Triapine®, PRX-3140, and NanoDOX® Hydrogel product and their clinical applications. Nanopharmaceutics has four additional pending U.S. and international patents related to novel oral formulations of Triapine®, Ammonium Tetrathiomolybdate (ATTM), and PRX-3140 to further protect its portfolio. Nanopharmaceutics' clinical partners include Harvard / Massachusetts

General Hospital (MGH), Dartmouth Health, the University of Western Australia, Northwestern University, and the National Cancer Institute (NCI).

About Triapine®

Triapine® is a synthetic heterocyclic carboxaldehyde thiosemicarbazone with potential antineoplastic activity being studied in the treatment of cancer. It is a type of ribonucleotide reductase inhibitor. Also called 3-aminopyridine-2-carboxaldehyde thiosemicarbazone and 3-AP, Triapine® inhibits the enzyme ribonucleotide reductase, resulting in the inhibition of the conversion of ribonucleoside diphosphates to deoxyribonucleotides necessary for DNA synthesis.

About Nanopharmaceutics, Inc.

Nanopharmaceutics, Inc. is a clinical-stage specialty pharmaceutical company developing oral, topical, and injectable products for cancer, central nervous system (CNS) disorders, and infectious diseases. Nanopharmaceutics is focused on formulation development aimed at improving drug absorption and stability. Nanopharmaceutics is a subsidiary of TRON Group Inc. (OTC:TGRP).

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