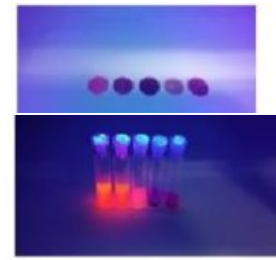
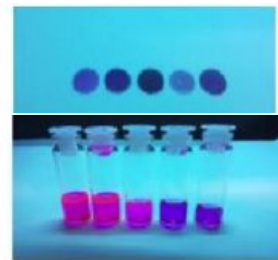
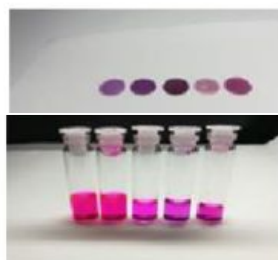


**GRANTED****(IN380926)**

## Novel rhodamine B amides and processes for preparing the same



## NEED

The search for effective diagnostic and therapeutic agents in oncology has led to innovations in fluorescent compounds. A breakthrough in rhodamine B heterocyclic amides offers novel opportunities for cancer diagnosis and treatment.

## TECHNOLOGY OVERVIEW

This invention introduces novel rhodamine B heterocyclic amides, designed for fluorescence-based detection of malignancies. These compounds also show potential in treating cancer, offering enhanced diagnostic accuracy and targeted therapeutic benefits in oncology.

## TECHNOLOGY KEY FEATURES

Rhodamine B heterocyclic amides, used in nanoparticle form, emit fluorescence for cancer detection and treatment. The compounds are tailored with various amine groups, allowing for customization in medical applications.

[Read more here](#)

## MARKET ANALYSIS

The global oncology diagnostics market is projected to grow at a CAGR of 8.2%, reaching \$50B by 2033 (source: Market Research Future). Increasing cancer incidence and demand for targeted therapies are major growth drivers.

## Target Industries

1) Pharmaceutical companies developing cancer diagnostics, 2) Biotech firms focusing on fluorescence-based therapeutics, 3) Research institutions working on novel cancer treatments.

## AT A GLANCE

- SDG 3 (Good Health and Well-being), SDG 9 (Industry, Innovation, and Infrastructure)

Technology is available for licensing/ co-development.

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