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# Map4k3 Small Molecule Drug Inhibitors

Tech ID: 33733 / UC Case 2022-932-0

## BRIEF DESCRIPTION

A groundbreaking discovery of small molecule inhibitors of MAP4K3, potentially transforming therapeutic treatment for neurological diseases and cancer.

## FULL DESCRIPTION

This technology encompasses the discovery and development of small molecule inhibitors that target the regulatory kinase MAP4K3, identified through a rigorous in silico and in vitro screening process. These inhibitors are poised for therapeutic applications, particularly in treating various neurological diseases and cancers, by modulating the MAP4K3 pathway which is critical for cellular metabolic processes and has been implicated in disease pathogenesis.

## SUGGESTED USES

- » Development into pharmaceutical drugs for treating neurological diseases
- » Use in oncology for the treatment of various types of cancer
- » Potential use in research and development within the pharmaceutical industry

## ADVANTAGES

- » Greater potency and selectivity compared to existing small molecules
- » Validated through comprehensive in vitro assays
- » Potential for extensive application in the treatment of neurological diseases and cancer

## PATENT STATUS

Country	Type	Number	Dated	Case
United States Of America	Published Application	20230250089	08/10/2023	2022-932

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## OTHER INFORMATION

### CATEGORIZED AS

- » **Medical**
  - » Disease: Cancer
  - » Disease: Central Nervous System
  - » Research Tools
  - » Therapeutics
- » **Research Tools**
  - » Other

## RELATED CASES

2022-932-0

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