



# S100A4 inhibitor “Minnetamide” for prostate cancer treatment

**IP Status:** Provisional Patent Application Filed; **Application #:** 63/037,355

## Application

- Prostate cancer treatment

## Technology Overview

Current treatments for prostate cancers (PC) are highly variable in their efficacy, particularly in the case of aggressive forms of cancers such as neuroendocrine type PC (NEPC). The technology is a small molecule (called “S100A-Minnetamide”) that inhibits a novel drug target, S100 calcium-binding protein A4 (S100A4). In animal models of disease, S100A-Minnetamide is well tolerated, bioavailable and results in reduced cancer growth

## Phase of Development

In vitro and in vivo/animal studies completed.

## Researchers

Mohammad Saleem Bhat, PhD  
Associate Professor, Dept. of Urology  
[External Link](http://www.cancer.umn.edu) ([www.cancer.umn.edu](http://www.cancer.umn.edu))

## Publications

- [“S100A4 accelerates tumorigenesis and invasion of human prostate cancer through the transcriptional regulation of matrix metalloproteinase 9.”](#) PNAS, 2006.
- [“The S100A4 Oncoprotein Promotes Prostate Tumorigenesis in a Transgenic Mouse Model: Regulating NFκB through the RAGE Receptor.”](#) Genes and Cancer, 2013.

## Desired Partnerships

This technology is now available for:

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## Technology ID

2020-242

## Category

Life Sciences/Human Health  
Life Sciences/Pharmaceuticals  
Agriculture &  
Veterinary/Veterinary Medicine

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