

## Patent Status

US patent 8,557,775

## License Status

Available for licenses

## Development Status

In vitro studies show strong benefit in Caco-2 cells

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## Treatments for Oxidative Stress

### Opportunity

Oxidative stress is a condition in wherein the ability of the body to detoxify or repair damage from reactive oxygen species is insufficient. This manifests itself in many diseases, including atherosclerosis, heart disease, inflammation and neurological disorders. Several companies are developing treatments for disease based on the mechanism of treating oxidative stress.

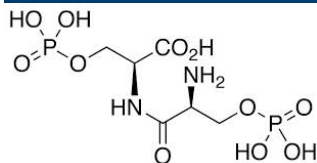
Guelph researchers have discovered that some short phosphopeptides have a strong ability to reduce oxidative stress in Caco-2 cells.

### Applications and Advantages

- Treatment of a variety of conditions that cause or are worsened by oxidative stress
- Short phosphopeptides could be used as a natural health product, which may represent a faster path to market
- Possibility to pursue a pharmaceutical indication
- Easy to manufacture

### Keywords

• Oxidative stress • phosphopeptide • inflammation • antioxidant •



Phosphoserine phosphate

