

Urinary toxin reducer with sesamol

Sesamol inhibits enzymes produced by intestinal bacteria

Overview

Phenyl sulfate(PS) and indoxyl sulfuric(IS) are factor of Diabetic nephropathy(DN). These compounds are produced by the reaction of phenol and indole which are protein metabolites, with tyrosine phenol lyase and tryptophan indole lyase which intestinal bacteria have. Decreasing PS and IS in blood is important for DN treatment.

In the present study, certain sesame-derived lignans exhibited TPL and TIL inhibitory activity.

Product Application

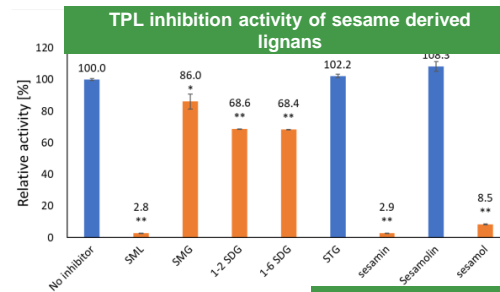
- Medicine
- Functional food
- Supplement

IP Data

IP No. : JP2022-135978
 Inventor : Toru Nakayama, Daiki Oikawa, Takaaki Abe
 Admin No. : T20-695

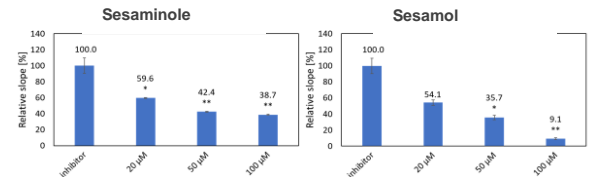


Features・Out standings



TIL inhibition activity of sesame derived lignans

* : p < 0.05 ** : p < 0.01 (Control : No inhibitor)



Related Works

1. Biochemical and Biophysical Research Communications 590 (2022) 158-162. <https://doi.org/10.1016/j.bbrc.2021.12.088>

Contact



Tohoku Techno Arch Co., Ltd.

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