~~To provide a comprehensive disclosure without unduly lengthening the specification, the applicant hereby incorporates by reference each of the patents and patent applications referenced above.~~

The particular combinations of elements and features in the above detailed embodiments are exemplary only; the interchanging and substitution of these teachings with other teachings in this and the patents/applications ~~incorporated by reference~~ referred to are also expressly contemplated. As those skilled in the art will recognize, variations, modifications, and other implementations of what is described herein can occur to those of ordinary skill in the art without departing from the spirit and the scope of the invention as claimed. Accordingly, the foregoing description is by way of example only and is not intended as limiting. The invention's scope is defined in the following claims and the equivalents thereto. Furthermore, reference signs used in the description and claims do not limit the scope of the invention as claimed.

Brief description of the examples and drawings

Additional details, features, characteristics and advantages of the object of the invention are disclosed in the subclaims, and the following description of the respective figures and examples, which, in an exemplary fashion, show preferred embodiments of the present invention. However, these drawings should by no means be understood as to limit the scope of the invention.

Experiments: Effect of PAM inhibitors on amino acid amidation/proline amid formation

In their experiments, the inventors focused on published PAM inhibitors as potential medium components. Among the screened components are, i.e., sodium sulfite, tiopronin, captopril, EDTA, ammonium sulfite, L-histidine, D-histidine, ammonium meta thiomolybdate, L-carnosine, penicillamine, 4-phenyl-3 butenoic acid (PBA).

Two recombinant proteins were used to investigate the effect of PAM inhibitors on amino acid amidation/proline amid formation, i.e., a monoclonal antibody (human-mouse-chimeric IgG), and an Fc-fusion protein. CHO cells were used as expression system.