# A novel pathomechanism for initiation inflammation

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Péter Gál and his co-workers produced 5.6 mg (122 nmol) highly purified sterile MASP-1. The enzyme activity of the preparation was suitable for cell culture studies. Gábor Pál and his co-workers synthesized 3.5 mg (857 nmol) highly pure SGMI-1. László Cervenak and his co-workers described that MASP-1 - in accordance with the previous mRNA and protein measurements - enhanced the adhesion between endothelial cells and neutrophil granulocytes. The specific inhibitor of MASP-1, SGMI-1 blocked this enhancement. SGMI-1, besides being an effective MASP-1 inhibitor in cellular assays, is not cytotoxic even at a high concentration (100 µM), allowing for potential *in vivo* applications.

**Complement masp-1 stimulates endothelial cells to attract and bind neutrophil granulocytes.**

László Cervenak,Endre Schwaner, Péter K. Jani, Erika Kajdácsi, Márta L. Debreczeni, Márton Megyeri, József Dobó, Zoltán Doleschall, Krisztina Futosi, Csaba I. Timár, Attila Mócsai, Péter Gál. 15th European Meeting on Complement in Human Disease, 2015.06.25-30., Uppsala, Sweden.

**Complement MASP-1 modified adhesion molecule pattern of human endothelial cells enhances the adhesion of neutrophil granulocytes**

Péter K. Jani, Endre Schwaner, Erika Kajdacsi, Márta L. Debreczeni, Rita Ungai-Salánki, József Dobó, Zoltán Doleschall, János Rigó Jr., Miklós Geiszt, Róber Horváth, Miklós S. Kellermayer, Bálint Szabó, Péter Gál, László Cervenak.