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Theoretical structural characterization of lymphoguanylin: a potential candidate for the development of drugs to treat gastrointestinal disorders

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Abstract

Guanylin peptides (GPs) are small cysteine-rich peptide hormones involved in salt absorption, regulation of fluids and electrolyte homeostasis. This family presents four members: guanylin (GN), uroguanylin (UGN), lymphoguanylin (LGN) and renoguanylin (RGN). GPs have been used as templates for the development of drugs for the treatment of gastrointestinal disorders. Currently, LGN is the only GP with just one disulfide bridge, making it a remarkable member of this family and a potential drug

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