Bombesin is a gastrin-releasing peptide (GRP) analog that stimulates intestinal function; it was originally found in Bombina toads and binds bombesin receptors (BBRs) and GRP receptors. Mammalian homologs of this compound are neuromedin B and GRP. Bombesin exhibits antiepileptic/anticonvulsant potential, potentiating GABA release by increasing extracellular Ca2+ influx and inducing membrane depolarization through the inhibition of inwardly rectifying (hERG) K+ channels. Bombesin also exhibits anorexigenic and carcinogenic (pro-cancer) activities.

References

