LITORIN

Product Number L 9038
Storage Temperature −20 °C

Synonym: Pituitary Adenylate Cyclase Activating Peptide

Product Description
Litorin is a bioactive nonapeptide with the sequence Pyr-Gln-Trp-Ala-Val-Gly-His-Phe-Met-NH₂. This product is synthetic and has a molecular weight of 1085.2 Da.

As a member of the bombesin-litorin family, litorin shares the common amino acid sequence Gly-His-X-Met-NH₂ at the C-terminus, where X is an aromatic or hydrophobic residue. Recently litorin has been identified as an agonist of both bombesin receptor subtypes, the gastrin-releasing peptide (GRP)-preferring bombesin receptor and the neuromedin B-preferring receptor. Both subtypes mediate the mammalian actions of bombesin-related peptides.¹

As a result, litorin has biological activities in the central nervous system and the gastrointestinal tract, as well as thermoregulatory effects.²

Purity: Minimum 97% (HPLC)

Storage/Stability
For long term storage, −20 °C is recommended.

References

JG/MAM 10/01