

PRODUCT DATA SHEET

Bioworld Technology CO., Ltd.



GALR2 (I238) Peptide

Cat No.: BS2797P

Background

Galanin is an important neuromodulator present in the brain, gastrointestinal system, and hypothalamopituitary axis. It is a 30 amino acid non-C-terminally amidated peptide that potently stimulates growth hormone secretion, inhibits cardiac vagal slowing of heart rate, abolishes sinus arrhythmia, and inhibits postprandial gastrointestinal motility. The actions of galanin are mediated through interaction with specific membrane receptors that are members of the 7 transmembrane family of G protein coupled receptors. GALR2 interacts with the N terminal residues of the galanin peptide. The primary signaling mechanism for GALR2 is through the phospholipase C/protein kinase C pathway (via Gq), in contrast to GALR1, which communicates its intracellular signal by inhibition of adenylyl cyclase through Gi.

Swiss-Prot

O43603

Applications

Blocking

Specificity

This peptide can be used with studies using BS2797 GALR2 (I238) pAb.

Purification & Purity

Synthetic peptide GALR2 (I238). (Note: the amino acid sequence is proprietary). The purity is > 98%.

Product

1 mg/ml in DI water.

Storage & Stability

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Research Use

For research use only, not for use in diagnostic procedure.