분류번호	Ⅲ-P-1

BQ-123, ET_A antagonist, decreases clinical sign and inflammatory region on EAE.

Bong su Kang , Young shim Choi, In hoi Huh
College of Pharmacy, Chung Ang University

BQ-123, a selective ET_A receptor antagonist, reverses various responses induced by Endothelin-1 and It has been reported that BQ-123 ameliorates the cerebrovascular constriction, hypertension, and decrease of blood flow.

Previously, we announced that the level of Endothelin-1 increase in the brain and spinal cord of EAE-induced lewis rat and showed the origin of ET-1 is activated macrophages.

Intracisternal injection of ET_A receptor antagonist, BQ-123(10nmol) was done for visualizing the role of endothelin-1 on the pathogenesis of EAE.

BQ-123 apparently blocked the severity of clinical score of EAE and decreased the histologically observed inflammatory region.

The blocking effect on the progression of EAE model following BQ-123, suggests that BQ-123 is a physiological antagonist in terms of development of the sign of multiple sclerosis.

BQ-123, ETA antagonist, decreases clinical sign and inflammatory region on EAE.

College of Pharmacy, Chung Ang Univ. : Bongsu Kang , Youngshim Choi, Inhoi Huh