Prosaptide Tx14(A)

Cat. No.: HY-P1342  
CAS No.: 196391-82-9  
Molecular Formula: C₆₉H₁₁₀N₁₆O₂₆  
Molecular Weight: 1579.7  
Sequence: Thr-Ala-Leu-Ile-Asp-Asn-Ala-Thr-Glu-Glu-Leu-Tyr  
Sequence Shortening: TALIDNATEEILY  
Target: Others  
Pathway: Others  
Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

BIOLOGICAL ACTIVITY

Description  
Prosaptide Tx14(A), a prosaposin-derived peptide, is a potent GPR37L1 and GPR37 agonist with EC₅₀ values of 5 and 7 nM, respectively. Prosaptide Tx14(A) increases both ERK1 and ERK2 phosphorylation in Schwann cells [1][2].

In Vitro  
Prosaptide Tx14(A) promotes the endocytosis of GPR37 and GPR37L1, bound to both receptors and activated signaling in a GPR37- and GPR37L1-dependent manner. Prosaptide Tx14(A) is the active fragment of the secreted neuroprotective and glioprotective factor prosaposin (also known as sulfated glycoprotein-1)[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES


Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com  
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA