

TAT-Gap19(I130A)

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	TAT-Gap19(I130A) is a control peptide for TAT-Gap19, a Cx43 hemichannel blocker. TAT-Gap19(I130A) consists of TAT-GAP19 with a I130A amino acid residue change at a key residue for GAP19 activity. In C6 glioma cells expression Cx43, TAT-GAP19(1130A) does not inhibit [Ca ²⁺] _i -triggered ATP release at 200 μM. TAT-Gap19(I130A) is cell permeable.
Targets(IC50)	Others

Reference

Wang et al (2013) Selective inhibition of Cx43 hemichannels by Gap19 and its impact on myocardial ischemia/reperfusion injury. Basic Res.Cardiol. 108 309 PMID: 23184389

Walrave et al (2016) Inhibition of connexin43 hemichannels impairs spatial short-term memory without affecting spatial working memory. Front.Cell Neurosci. 10 288 PMID: 28066184

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