

Rev03
Update: Feb,10,2022

DATASHEET

43Gap 26, Connexin Mimetic

Cat. No.: RP20274

Overview

Description	This Gap 26 peptide is derived from the first extracellular loop sequence of connexin (Cx) 43. This short mimetic peptide reversibly inhibits the gap junction-dependent propagation of Ca^{2+} waves between tracheal airway epithelial cells. Connexins, or gap junctions, are a family of structurally-related transmembrane proteins. Gap junctions contain channels that allow the passage of ions and small molecules between adjacent cells molecules. Calcium and inositol phosphates are among the second messengers that can pass through gap junction channels.
Sequence	{Val}{Cys}{Tyr}{Asp}{Lys}{Ser}{Phe}{Pro}{Ile}{Ser}{His}{Val}{Arg}
Sequence Shortening	VCYDKSFPISHVR
Molecular Formula	$\text{C}_{70}\text{H}_{107}\text{N}_{19}\text{O}_{19}\text{S}$
Molecular Weight	1550.79

Properties

Purity	> 95%
Form	Lyophilized