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Mesenchymal Stromal Cells-derived Exosomes with KRAS G12D siRNA

National Cancer Institute

Source

National Cancer Institute. *Mesenchymal Stromal Cells-derived Exosomes with KRAS G12D siRNA*. NCI Thesaurus. Code C153214.

Exosomes derived from mesenchymal stromal cells (MSCs) that have been engineered to carry short interfering RNA (siRNA) specific to the KRAS G12D mutation subtype. Upon administration, the KRAS G12D siRNA-loaded exosomes deliver siRNA to tumor cells expressing the mutant form of KRAS, potentially silencing its activity. The KRAS G12D mutation is thought to drive tumorigenesis and progression in some cancers.