The peptide is one kind of delivery molecule for RDC (Radionuclide Drug Conjugate), which can drive the RDC compound to the targeting diseased tissue. The most commonly used peptide in RDC is the one that can identify the SSTR (Somatostatin Receptor).
Rdcthera provide low-cost and high-quality peptide design and synthesis services for customers to promote your RDC development projects.

Overview of Peptide Applied in RDC

RDC has received a lot of attention because of the many difficulties in treating cancer with conventional chemotherapy and radiotherapy, such as cancer becoming resistant and patients becoming sicker. The peptide is one type of RDC delivery vehicles. The peptide in RDC mainly refers to the one targeting the SSTR, a special overexpressed marker on the membrane of neuroendocrine tumors, which is named growth inhibitor analogs. Neuroendocrine tumors are relatively slow growing and less malignant than other cancers and are most commonly found in the gastrointestinal tract and pancreas. RDC preferentially gathers at the neuroendocrine tumors because of the peptide-receptor binding.