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IRDye800CW-labeled Heptapeptide KSP-910638G

National Cancer Institute

Source

National Cancer Institute. *IRDye800CW-labeled Heptapeptide KSP-910638G*. NCI Thesaurus. Code C150388.

An imaging agent composed of a heptapeptide targeting human epithelial growth factor receptor type 2 (EGFR2; HER2; ErbB2) conjugated, via a five-amino acid linker, to the near-infrared (NIR) fluorescent dye IRDye800CW, that can potentially be used for the imaging of HER2-expressing tumors. Upon oral administration of the IRDye800CW-labeled heptapeptide KSP-910638G, the peptide moiety targets and binds to HER2 expressed on tumor cells in the gastrointestinal (GI) tract. Upon fluorescence imaging of the fluorophore IRDye800CW, the tumor cells can be detected.