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5-FITC-labeled GI-heptapeptide

National Cancer Institute

Source

National Cancer Institute. *5-FITC-labeled GI-heptapeptide*. NCI Thesaurus. Code C97659.

A radioconjugate consisting of the 7 amino acid peptide sequence ASYNYDA (GI heptapeptide) and labeled with the fluorescent dye fluorescein isothiocyanate (5-FITC), with potential imaging activity. Upon topical application to the esophageal mucosa using a spray, the heptapeptide moiety of 5-FITC-labeled GI-heptapeptide binds to abnormal cells in the esophagus; the FITC moiety allows for imaging with white light and the area of interest for biopsies can then be visualized.