

[Open Peer Review on Qeios](#)

# 5-[18F]Fluorouracil

National Cancer Institute

## Source

National Cancer Institute. *5-[18F]Fluorouracil*. NCI Thesaurus. Code C78203.

The fluorine-18 (18F)-radiolabeled pyrimidine analog 5-fluorouracil (5-FU) with positron-emitting activity. Upon administration, 5-[18F]fluorouracil distribution in tumor tissue may be measured with positron emission tomography (PET). The degree of 5-[18F]fluorouracil uptake in tumor tissue may help to predict the response to 5-fluorouracil-based chemotherapy or to determine the response to other therapeutic agents used to treat 5-FU-sensitive tumors.