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Fluorine F-18 HX4

National Cancer Institute

Source

National Cancer Institute. *Fluorine F-18 HX4*. NCI Thesaurus. Code C74032.

A 2-nitroimidazole labeled with the positron-emitting radioisotope fluorine F 18. HX4, the 2-nitroimidazole moiety of [F-18]HX4, is selectively bioreduced and bound in hypoxic tumor cells, permitting the imaging of hypoxic tumor cells with positron emission tomography (PET).