

[Open Peer Review on Qeios](#)

[18F]-labeled Substance P Antagonist Receptor Quantifier

National Cancer Institute

Source

National Cancer Institute. *[18F]-labeled Substance P Antagonist Receptor Quantifier*. NCI Thesaurus. Code C71071.

A radioconjugate consisting of the positron emitting radioisotope fluorine F 18 conjugated to the substance P antagonist receptor quantifier (SPA-RQ) used in radioimaging. [18F]-labeled substance P antagonist receptor quantifier is an antagonist of the neurokinin 1 (substance P) receptor (NK1R) and can function as a positron emission tomography (PET) imaging agent for detecting NK1R-expressing cells and tissues. NK1Rs are frequently expressed on the plasma membranes of tumor cells from glioblastoma and breast and pancreatic carcinomas.