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Fluorine F 18 SKI-249380

National Cancer Institute

Source

National Cancer Institute. *Fluorine F 18 SKI-249380*. NCI Thesaurus. Code C111576.

A radioconjugate composed of a derivative of the multi-targeted kinase inhibitor dasatinib conjugated to the radioisotope fluorine F 18, with potential imaging activity during positron emission tomography (PET). Upon administration of fluorine F 18 SKI-249380, the SKI-249380 moiety targets and binds to Bcr/Abl, SRC-family protein-tyrosine kinases, c-Kit and platelet-derived growth factor receptor (PDGFR). Upon binding, the fluorine F 18 moiety allows PET imaging of tumor cells and can be used as a tracer for the biodistribution of dasatinib.