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18F-FHBG

National Cancer Institute

Source

National Cancer Institute. *18F-FHBG*. NCI Thesaurus. Code C62533.

A fluorine-18-labeled acycloguanosine derivative substrate for herpes simplex virus type-1 thymidine kinase (HSV1-tk). 18F-FHBG is used as a reporter probe to image the expression of the herpes simplex virus type-1 thymidine kinase (HSV1-tk) gene in gene transfer therapy. HSV1-tk and HSV1-tk-metabolized 18F-FHBG co-localize, allowing positron emission tomography (PET) localization of HSV1-tk gene-transfected tissue and the assessment of gene transfer efficiency.