

Imaging Agent	Imaging Target	Cancer Site
Small Molecules (Imaging)		
¹¹ C-choline	tumor metabolism	Recurrent prostate cancer
¹⁸ F-FLT	tumor cell proliferation	Lymphoma, prostate, H&N, NSCLC
¹⁸ F-FES	estrogen receptor status	Breast
¹⁸ F-FDHT	androgen receptor	Prostate
¹⁸ F-FMISO	tumor oxygenation	Head & Neck, Rectal
¹⁸ F-FACBC	amino acid metabolism	Breast, Prostate, Brain
¹⁸ F-dasatinib	tyrosine kinases	Prostate, Breast
¹⁸ F-glutamine	tumor metabolism	All solid malignancies
¹⁸ F-choline	cellular membrane phospholipids	Brain
¹⁸ F-MFBG	NET-expressing tumor	Pediatric and Adult Neuroendocrine Malignancies
¹⁸ F-TFB	human Na/iodide symporter (hNIS)	Thyroid
¹⁸ F-PARPi	PARP1/2	Head and Neck
¹²⁴ I-FIAU	gene expression	Prostate
Na-[¹²⁴ I]	Na Iodide Symporter	Thyroid
¹²⁴ I-PUH71*	HSP-90	All solid malignancies and lymphoma (with PUH71 therapy)
¹²⁴ I-PUAD	HSP-90	Alzheimers
Peptides (Imaging and Therapy)		
⁶⁸ Ga-DOTA-RM2	GRPr-positive tumors	Prostate
⁶⁸ Ga/ ¹⁷⁷ Lu-DOTA-JR11	SSTR	Neuroendocrine
⁶⁸ Ga-PSMA-11	PSMA	Prostate
¹⁸ F-Var3-pHLIP	Extracellular pH	Breast
¹⁸ F-BMS-986229	PDL-1	Multiple
¹⁸ F-BMS-986192	PD-1	Multiple
⁶⁷ Cu-SARTATE	SSTR	Neuroendocrine
Antibodies and Fragments (Imaging)		
¹²⁴ I-3F8	disialoganglioside GD2	Neuroblastoma (pediatrics)
¹²⁴ I-8H9	8H9 antigen	Multiple tumors e.g. Leptomeninges (pediatrics)
¹²⁴ I-CG250	carbonic anhydrase-IX	Clear Cell Renal Cell Carcinoma
⁸⁹ Zr-DFO-huJ591	PSMA	Prostate, Brain
⁸⁹ Zr-DFO-Trastuzumab	HER2	Breast. Gastric
⁸⁹ Zr-DFO-Pertuzumab	HER2	Breast
⁸⁹ Zr-DFO-Daratumumab	CD38	Multiple Myeloma
⁸⁹ Zr-DFO-MSTP2109A	STEAP1	Prostate
⁸⁹ Zr-Df-IAB2M	PSMA	Prostate
⁸⁹ Zr-DFO-5B1	CA19.9	Pancreas
⁸⁹ Zr-Df-IAB22M2C	cytotoxic human T cells	Melanoma
⁸⁹ Zr-DFO-SC16.56	DLL3	Small Cell Lung Cancer (SCLC)
Antibodies and Fragments (Therapy)		
¹³¹ I-8H9	8H9 antigen	Multiple tumors e.g. Leptomeninges (pediatrics)
¹³¹ I-3F8	disialoganglioside GD2	Neuroblastoma (pediatrics)
¹²⁴ I-hu3F8	disialoganglioside GD2	Neuroblastoma (pediatrics)
Nanoparticles (Imaging)		
¹²⁴ I-Cdot & ⁸⁹ Zr-cRGDY Cy5 Cdots	Avβ3	Melanoma