

Radiopharmaceuticals at the Forschungszentrum Dresden-Rossendorf:

1) List of standard radiopharmaceuticals for human and small animal applications in PET imaging regularly used:

[¹⁸ F]Fluor-2-deoxy-D-glucose	Glucose uptake
6-[¹⁸ F]Fluor-L-DOPA	DOPA metabolism
3-O-Methyl-6-[¹⁸ F]Fluor-L-DOPA	Amino acid transport
[¹⁸ F]FMISO	Tissue hypoxia
[¹¹ C]Acetate	Fatty acid, energy metabolism
[¹⁸ F]Fluoride	Fluorine uptake in bones

2) List of standard pharmaceuticals for human applications in PET imaging available but not regularly used:

[¹³N]Ammoniak, [¹⁵O]Wasser, 16 α -[¹⁸F]Fluorestradiol

3) List of radiopharmaceuticals for future human application in development:

(+)-[¹⁸ F]FMe-McN	Serotonin transporter ligand
[¹¹ C]Methionine	Amino acid transport
[¹⁸ F]Acetate	mechanism unclear, Acetyl-CoA synthesis, organic anion transport
[¹⁸ F]FLT	Thymidine metabolism
[¹¹ C]COX-2 Inhibitor	COX-2 expression

4) Development of new tracers radiolabeled with ¹¹C, ¹⁸F, ⁸⁶Y, ⁶⁴Cu for small animal PET

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