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Oxygen 15-labeled Carbon Monoxide

National Cancer Institute

Source

National Cancer Institute. *Oxygen 15-labeled Carbon Monoxide*. NCI Thesaurus. Code C119711.

A radiopharmaceutical comprised of oxygen-15 (15O)-labeled carbon monoxide (15O-CO) for use as a tracer molecule during positron emission tomography (PET). Upon inhalation, 15O-CO binds to hemoglobin in the blood and the labeled red blood cells distribute evenly throughout the vasculature in the body. Upon PET imaging, tissue blood volume can be quantified.