

Tc-Me2P

Chemical Properties

CAS No. :

Formula: C₂₁H₃₁N₁₀O₇Tc

Molecular Weight:

Keep away from direct sunlight

Storage:

Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Tc-Me2P is a novel ^{99m} Tc-labeled propylene amine oxime (PnAO) derivative, which includes two 4-methyl-2-nitroimidazole groups. Primarily, Tc-Me2P serves as an imaging agent for hypoxic tumors by specifically binding to low-oxygen areas within tumor tissue. It is applicable in single-photon emission computed tomography (SPECT) and positron emission tomography (PET) imaging for detecting tumor hypoxia. Additionally, Tc-Me2P can be utilized to study the targeting properties of its diverse chemical structures in tumor versus normal tissue.
Targets(IC50)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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