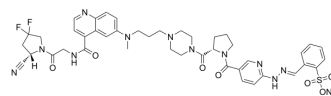


[^{99m}Tc]Tc-6-1

Cat. No.:	HY-D2281
Molecular Formula:	C ₄₃ H ₄₆ F ₂ N ₁₁ NaO ₇ S
Molecular Weight:	921.95
Target:	FAP
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	[^{99m} Tc]Tc-6-1, a ^{99m} Tc-labeled FAPI-46 derivative, is a specific fibroblast activation protein (FAP)-targeted radiotracer. [^{99m} Tc]Tc-6-1 exhibits good tumor uptake and acts as a promising molecular tracer for FAP tumor imaging ^[1] .
In Vitro	[^{99m} Tc]Tc-6-1 exhibits high target-to-nontarget ratios (tumor/blood: 6.06; tumor/muscle: 10.26) and good tumor uptake (16.15% ID/g), which also has significantly high affinity for FAP ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Qing Ruan, et al. Synthesis and Preclinical Evaluation of Novel ^{99m}Tc-Labeled FAPI-46 Derivatives with Significant Tumor Uptake and Improved Tumor-to-Nontarget Ratios. J Med Chem. 2024 Feb 22;67(4):3190-3202.

Caution: Product has not been fully validated for medical applications. For research use only.

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