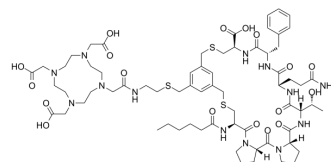


FAP-2286

Cat. No.:	HY-147057
CAS No.:	2581741-18-4
Molecular Formula:	C ₆₇ H ₉₉ N ₁₃ O ₁₈ S ₃
Molecular Weight:	1470.77
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

FAP-2286, a fibroblast activation protein (FAP)-binding peptidic macrocycle coupled to the radionuclide chelator DOTA. FAP-2286 has potent affinity to human FAP protein with a K_d of 1.1 nM. FAP-2286, a tumor imaging agent, is a useful tool for the research of positron emission tomography (PET). FAP-2286 has antitumor activity^{[1][2]}.

REFERENCES

- [1]. Dirk Zboralski, et al. Comparative Biodistribution and Radiotherapeutic Efficacy of the Fibroblast Activation Protein (FAP)-Targeting Agents FAP-2286 and FAPI-46.
- [2]. Richard P Baum, et al. Feasibility, Biodistribution, and Preliminary Dosimetry in Peptide-Targeted Radionuclide Therapy of Diverse Adenocarcinomas Using ¹⁷⁷Lu-FAP-2286: First-in-Humans Results. *J Nucl Med.* 2022 Mar;63(3):415-423.

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