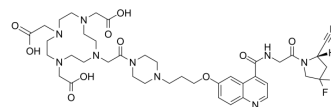


FAPI-4

Cat. No.:	HY-128643
CAS No.:	2374782-02-0
Molecular Formula:	C ₄₀ H ₅₄ F ₂ N ₁₀ O ₁₀
Molecular Weight:	872.91
Target:	Others
Pathway:	Others
Storage:	-20°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (114.56 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM		1.1456 mL	5.7280 mL	11.4559 mL
		5 mM		0.2291 mL	1.1456 mL	2.2912 mL
		10 mM		0.1146 mL	0.5728 mL	1.1456 mL
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.86 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.86 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.86 mM); Clear solution 					

BIOLOGICAL ACTIVITY

Description	FAPI-4 is a fibroblast activation protein (FAP) inhibitor used in cancer research ^[1] .
IC₅₀ & Target	Fibroblast activation protein ^[1]

CUSTOMER VALIDATION

- Eur J Nucl Med Mol Imaging. 2021 Aug 19.
- Eur J Nucl Med Mol Imaging. 2021 Apr 7.
- Tomography. 2022, 8(1), 293-302.
- Ann Nucl Med. 2021 Aug 26.
- Research Square Preprint. 2021 Aug.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Giesel FL, et al. 68Ga-FAPI PET/CT: Biodistribution and Preliminary Dosimetry Estimate of 2 DOTA-Containing FAP-Targeting Agents in Patients with Various Cancers. J Nucl Med. 2019 Mar;60(3):386-392.

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

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