NH2-UAMC1110 TFA

Cat. No.: HY-153552A

CAS No.: 2990021-73-1

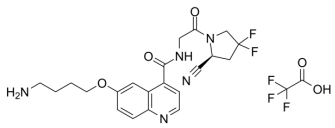
Molecular Formula: $C_{23}H_{24}F_5N_5O_5$

Molecular Weight: 545.46

Target: FAP

Pathway: Immunology/Inflammation

Storage: -20°C, sealed storage, away from moisture
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H_2O : 250 mg/mL (458.33 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.8333 mL	9.1666 mL	18.3331 mL
	5 mM	0.3667 mL	1.8333 mL	3.6666 mL
	10 mM	0.1833 mL	0.9167 mL	1.8333 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

NH2-UAMC1110 TFA is a UAMC1110 derivative that can be used in the synthesis of FAPI-QS. UAMC1110 is a fibroblast activation protein (FAP) inhibitor. FAPI-QS is a chelating agent that can be used to synthesize high tumor selectivity and high dose radiotracers for the diagnosis and treatment of tumors[1][2].

REFERENCES

[1]. Euy Sung Moon, et al. Targeting fibroblast activation protein (FAP): next generation PET radiotracers using squaramide coupled bifunctional DOTA and DATA5m chelators. EJNMMI Radiopharm Chem. 2020 Jul 29;5(1):19.

[2]. Kristina Hoot Young, et al. Preclinical combination of radiation and fibroblast activation protein inhibition in pancreatic cancer. Journal of Clinical Oncology. 2016, 34 (15).

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

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