

NH2-UAMC1110 TFA

Chemical Properties

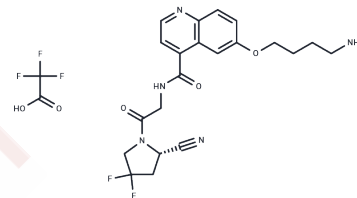
CAS No. : 2990021-73-1

Formula: C23H24F5N5O5

Molecular Weight: 545.46

Storage: Store at low temperature, Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	NH2-UAMC1110 TFA is a derivative of UAMC1110 bearing an aminobutoxy group for the synthesis of FAPI-QS. UAMC1110 is a novel selective fibroblast-activated protein (fap) inhibitor exhibiting low nanomolar inhibition of the related dipeptidyl peptidases (dpps), dppiv, dpp9, dppii, and (prep). dppiv, dpp9, dppii, and (prep).
Targets(IC50)	Others, Immunology/Inflammation related

Solubility Information

Solubility	H2O: 200 mg/mL (366.66 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.8333 mL	9.1666 mL	18.3332 mL
5 mM	0.3667 mL	1.8333 mL	3.6666 mL
10 mM	0.1833 mL	0.9167 mL	1.8333 mL
50 mM	0.0367 mL	0.1833 mL	0.3667 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Moon ES, 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.

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

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481