

BR102910

Chemical Properties

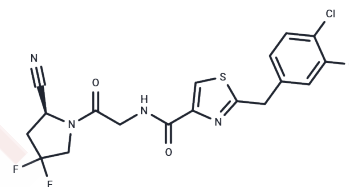
CAS No. : 2505339-54-6

Formula: C₁₈H₁₄Cl₂F₂N₄O₂S

Molecular Weight: 459.3

Storage: 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	BR102910 (4-Thiazolecarboxamide, N-[2-[(2S)-2-cyano-4,4-difluoro-1-pyrrolidinyl]-2-oxoethyl]-2-[(3,4-dichlorophenyl)methyl]-) is a selective inhibitor of fibroblast activated protein (FAP).
Targets(IC50)	Immunology/Inflammation related,Prolyl Endopeptidase (PREP)
In vivo	4-Thiazolecarboxamide, N-[2-[(2S)-2-cyano-4,4-difluoro-1-pyrrolidinyl]-2-oxoethyl]-2-[(3,4-dichlorophenyl)methyl]- (C57BL/6) mice, 0-30 mg/kg, orally, once) showed significant FAP inhibition in a dose dependent manner [1].

Solubility Information

Solubility	DMSO: 55 mg/mL (119.75 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1772 mL	10.8861 mL	21.7723 mL
5 mM	0.4354 mL	2.1772 mL	4.3545 mL
10 mM	0.2177 mL	1.0886 mL	2.1772 mL
50 mM	0.0435 mL	0.2177 mL	0.4354 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

Hui Jin Jung, et al. Identification of BR102910 as a selective fibroblast activation protein (FAP) inhibitor. Bioorg Med Chem Lett. 2021 Apr 1;37:127846.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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