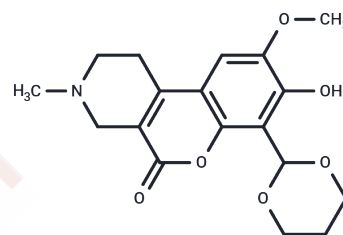


D-F07

Chemical Properties

CAS No. :	2361297-58-5
Formula:	C ₁₈ H ₂₁ N ₁ O ₆
Molecular Weight:	347.36
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	D-F07 is a novel fluorescent IRE-1 RNase inhibitor and a tricyclic chromone with potential anticancer activity.
Targets(IC50)	Apoptosis, IRE1

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8789 mL	14.3943 mL	28.7886 mL
5 mM	0.5758 mL	2.8789 mL	5.7577 mL
10 mM	0.2879 mL	1.4394 mL	2.8789 mL
50 mM	0.0576 mL	0.2879 mL	0.5758 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

- Shao A, et al. Development of Tumor-Targeting IRE-1 Inhibitors for B-cell Cancer Therapy. *Mol Cancer Ther.* 2020 Dec;19(12):2432-2444.
- Ren F, et al. Coumarin-Based Fluorescent Inhibitors for Photocontrollable Bioactivation. *Mol Pharm.* 2023 Jun 5;20(6):3223-3233.
- Shao A, et al. IRE-1-Targeting Caged Prodrug with Endoplasmic Reticulum Stress-Inducing and XBP-1S-Inhibiting Activities for Cancer Therapy. *Mol Pharm.* 2022 Apr 4;19(4):1059-1067.

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