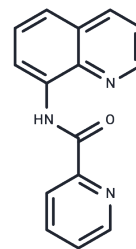


UM4118

Chemical Properties

CAS No. :	324530-92-9
Formula:	C ₁₅ H ₁₁ N ₃ O
Molecular Weight:	249.27
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	UM4118 (N-quinolin-8-ylpyridine-2-carboxamide) is a copper ion carrier that triggers an atypical form of mitochondria-based cell death (cuproptosis).UM4118 can be used for the study of acute myeloid leukemia.UM4118 showed no significant effect on VEGF and b-FGF stimulated HMVEC proliferation with LC values of 0.013 and 0.018 μ M, respectively.
Targets(IC50)	Cuproptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0117 mL	20.0586 mL	40.1171 mL
5 mM	0.8023 mL	4.0117 mL	8.0234 mL
10 mM	0.4012 mL	2.0059 mL	4.0117 mL
50 mM	0.0802 mL	0.4012 mL	0.8023 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

Moison C, et al. SF3B1 mutations provide genetic vulnerability to copper ionophores in human acute myeloid leukemia. Sci Adv. 2024;10(12):eadl4018.

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