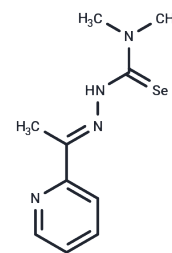


Ap44mSe

Chemical Properties

CAS No. :	960403-72-9
Formula:	C ₁₀ H ₁₄ N ₄ Se
Molecular Weight:	269.2
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	Ap44mSe is a potent and selective antitumor agent. Ap44mSe effectively depletes cellular Fe, resulting in transferrin receptor-1 up-regulation, ferritin down-regulation, and increased expression of the potent metastasis suppressor, N-myc downstream regulated gene-1.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7147 mL	18.5736 mL	37.1471 mL
5 mM	0.7429 mL	3.7147 mL	7.4294 mL
10 mM	0.3715 mL	1.8574 mL	3.7147 mL
50 mM	0.0743 mL	0.3715 mL	0.7429 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

Al-Eisawi Z, Stefani C, Jansson PJ, Arvind A, Sharpe PC, Basha MT, Iskander GM, Kumar N, Kovacevic Z, Lane DJ, Sahni S, Bernhardt PV, Richardson DR, Kalinowski DS. Novel Mechanism of Cytotoxicity for the Selective Selenosemicarbazone, 2-Acetylpyridine 4,4-Dimethyl-3-selenosemicarbazone (Ap44mSe): Lysosomal Membrane Permeabilization. J Med Chem. 2016 Jan 14;59(1):294-312. doi: 10.1021/acs.jmedchem.5b01399. Epub 2015 Dec 31. PubMed PMID: 26645570.

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