

KU-2285

Chemical Properties

CAS No. : 121077-11-0
 Formula: C₈H₁₀F₂N₄O₄
 Molecular Weight: 264.19
 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	KU-2285 shows anti-tumor, anti-metastatic and anti-colony forming effects on mouse melanoma B16.KU-2285 can be used to study pancreatic cancer.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.7852 mL	18.9258 mL	37.8515 mL
5 mM	0.757 mL	3.7852 mL	7.5703 mL
10 mM	0.3785 mL	1.8926 mL	3.7852 mL
50 mM	0.0757 mL	0.3785 mL	0.757 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

- Langenbacher M, et al. In vitro hypoxic cytotoxicity and hypoxic radiosensitization. Efficacy of the novel 2-nitroimidazole N,N,N-tris[2-(2-nitro-1H-imidazol-1-yl)ethyl]amine. *Strahlenther Onkol.* 2013 Mar;189(3):246-54.
- Sugie C, et al. Reevaluation of the radiosensitizing effects of sanazole and nimorazole in vitro and in vivo. *J Radiat Res.* 2005 Dec;46(4):453-9.
- Shibamoto Y, et al. The Japanese experiences with hypoxia-targeting pharmacoradiotherapy: from hypoxic cell sensitizers to radiation-activated prodrugs. *Expert Opin Pharmacother.* 2004 Dec;5(12):2459-67.
- Koch CJ, et al. Pharmacokinetics of EF5 [2-(2-nitro-1-H-imidazol-1-yl)-N-(2,2,3,3,3-pentafluoropropyl) acetamide] in human patients: implications for hypoxia measurements in vivo by 2-nitroimidazoles. *Cancer Chemother Pharmacol.* 2001 Sep;48(3):177-87.

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