Data Sheet (Cat.No.T13862)



Recilisib

Chemical Properties

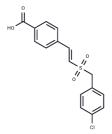
CAS No.: 334969-03-8

Formula: C16H13ClO4S

Molecular Weight: 336.79

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description Recilisib (ON 01210) is a radioprotectant, can activate AKT, PI3K activities in cells		
Targets(IC50)	Akt,PI3K	
In vitro	Recilisib Sodium increases PI3K activity in HFL-1 cells and murine bone marrow cells in response to radiation exposure. Recilisib Sodium treatment in combination with radiation alters the MAPK signaling pathway.	
In vivo	the rate of recovery and differentiation of primitive bone marrow myeloid progenitor cells in mice significantly increased by Recilisib Sodium. Recilisib Sodium in combination with radiation reduces CFU numbers in mice, but the Recilisib Sodium-treated mice consistently retain a capability to form differentiated colonies. Recilisib Sodium treated mice have a progenitor cell population that is never completely depleted by radiation exposure.	

Solubility Information

Solubility	DMSO: 35.71 mg/mL (106.03 mM), Sonication is recommended.	
	(< 1 mg/ml refers to the product slightly soluble or insoluble)	
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9692 mL	14.846 mL	29.6921 mL
5 mM	0.5938 mL	2.9692 mL	5.9384 mL
10 mM	0.2969 mL	1.4846 mL	2.9692 mL
50 mM	0.0594 mL	0.2969 mL	0.5938 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.

Page 1 of 2 www.targetmol.com

Reference

Kang AD, et al. ON01210.Na (Ex-RAD) mitigates radiation damage through activation of the AKT pathway. PLoS One. 2013;8(3):e58355.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Page 2 of 2 www.targetmol.com