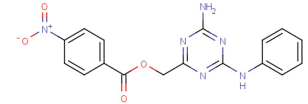


Data Sheet (Cat.No.T17187)

TZ9

Chemical Properties

CAS No.:	1002789-86-7
Formula:	C17H14N6O4
Molecular Weight:	366.33
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	TZ9 is a novel inhibitor of the Rad6 ubiquitin-conjugating enzyme and it also inhibits MDA-MB-231 cell proliferation (IC50: ~6 μM).
Targets(IC50)	Others: None
In vitro	Rad6 inhibitor The bulk of MDA-MB-231 cells treated with 10 μmol/L or more SMI #9 displayed a round morphology compared with controls and less than SMI #9(5 μmol/L). SMI #9 inhibits Matrigel-induced migration of MDA-MB-231 cells in a dose-dependent manner compared with SMI #8. SMI #9 (5 μmol/L) treatment triggered morphologic changes consistent with apoptosis in a time-dependent manner. SMI #9 (5 μmol/L) treatment of MDA-MB-231 cells for 24 hours increased the proportion of G2-M-arrested cells by 2-fold and was accompanied by a proportional decrease in S-phase cells. SMIs #8 or 9 treatments dramatically reduced β-catenin staining as visualized by reduced merged Rad6/β-catenin yellow fluorescence.

Solubility Information

Solubility	DMSO: 40 mg/mL (109.19 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.73 mL	13.649 mL	27.298 mL
5 mM	0.546 mL	2.73 mL	5.46 mL
10 mM	0.273 mL	1.365 mL	2.73 mL
50 mM	0.055 mL	0.273 mL	0.546 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Sanders MA, et al. Novel inhibitors of Rad6 ubiquitin conjugating enzyme: design, synthesis, identification, and functional characterization. Mol Cancer Ther. 2013 Apr;12(4):373-83.

Inhibitors · Natural Compounds · Compound Libraries

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:36 Washington Street,Wellesley Hills,MA 02481