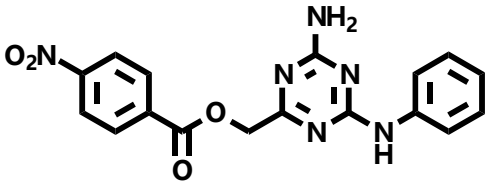
Xcess Biosciences Inc.
7144 N Harlem Ave #169
Chicago, IL 60631 USA

http://www.xcessbio.com
Toll free: 1-866-706-2330
Fax: 1-619- 810-0718
Email: info@xcessbio.com

Rad6 Ubiquitin Inhibitor – TZ9

Chemical Name: (4-amino-6-(phenylamino)-1,3,5-triazin-2-yl)methyl 4-nitrobenzoate



Molecular Weight:	366.34
Formula:	$C_{17}H_{14}N_6O_4$
Purity:	≥98%
CAS#:	1002789-86-7
Solubility:	DMSO up to 50 mM
Storage	Powder: 4°C 1 year DMSO: 4°C 3 month -20°C 1 year

Biological Activity:

TZ9 is a selective and cell permeable inhibitor of human E2 ubiquitin-conjugating enzyme Rad6B. It binds to the Rad6B catalytic site, inhibits Rad6B-induced histone H2A ubiquitination, downregulates intracellular β-catenin. It can induce G2/M arrest and apoptosis, and inhibit proliferation and migration of metastatic human breast cancer cells (IC_{50} ~6 μM).

How to Use:

In vitro: TZ9 was used at 10-50 μM final concentration in vitro and in cellular assays.

In vivo: n/a

Reference:

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