

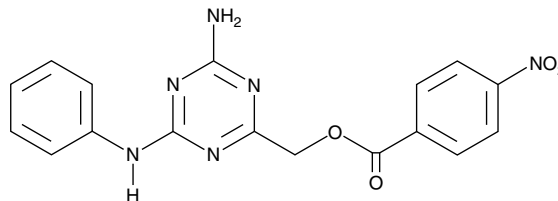
# Product Information



**TZ9**

Item No. 15964

**CAS Registry No.:** 1002789-86-7  
**Formal Name:** 4-amino-6-(phenylamino)-2-(4-nitrobenzoate)-1,3,5-triazine-2-methanol  
**MF:** C<sub>17</sub>H<sub>14</sub>N<sub>6</sub>O<sub>4</sub>  
**FW:** 366.3  
**Purity:** ≥98%  
**Stability:** ≥2 years at -20°C  
**Supplied as:** A crystalline solid  
**UV/Vis.:** λ<sub>max</sub>: 209, 260 nm



## Laboratory Procedures

For long term storage, we suggest that TZ9 be stored as supplied at -20°C. It should be stable for at least two years.

TZ9 is supplied as a crystalline solid. A stock solution may be made by dissolving the TZ9 in the solvent of choice. TZ9 is soluble in organic solvents such as DMSO and dimethyl formamide, which should be purged with an inert gas. The solubility of TZ9 in these solvents is approximately 30 mg/ml.

TZ9 is sparingly soluble in aqueous buffers. For maximum solubility in aqueous buffers, TZ9 should first be dissolved in DMSO and then diluted with the aqueous buffer of choice. TZ9 has a solubility of approximately 0.3 mg/ml in a 1:2 solution of DMSO:PBS (pH 7.2) using this method. We do not recommend storing the aqueous solution for more than one day.

TZ9 is a cell-permeable triazine compound that inhibits the human E2 ubiquitin-conjugating enzyme Rad6B.<sup>1</sup> TZ9 selectively docks to the Rad6B catalytic site, inhibits Rad6B-induced histone H2A ubiquitination, downregulates intracellular β-catenin, induces G<sub>2</sub>/M arrest and apoptosis, and inhibits proliferation and migration of metastatic human breast cancer cells (IC<sub>50</sub> = 6 μM).<sup>1</sup>

## Reference

1. Sanders, M.A., Brahemi, G., Nangia-Makker, P., *et al.* Novel inhibitors of Rad6 ubiquitin conjugating enzyme: Design, synthesis, identification, and functional characterization. *Mol. Cancer Ther.* **12**(4), 373-383 (2013).

## Related Products

For a list of related products please visit: [www.caymanchem.com/catalog/15964](http://www.caymanchem.com/catalog/15964)

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**WARNING: THIS PRODUCT IS FOR LABORATORY RESEARCH ONLY: NOT FOR ADMINISTRATION TO HUMANS. NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.**

### SAFETY DATA

This material should be considered hazardous until information to the contrary becomes available. Do not ingest, swallow, or inhale. Do not get in eyes, on skin, or on clothing. Wash thoroughly after handling. This information contains some, but not all, of the information required for the safe and proper use of this material. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

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