

# PRODUCT INFORMATION

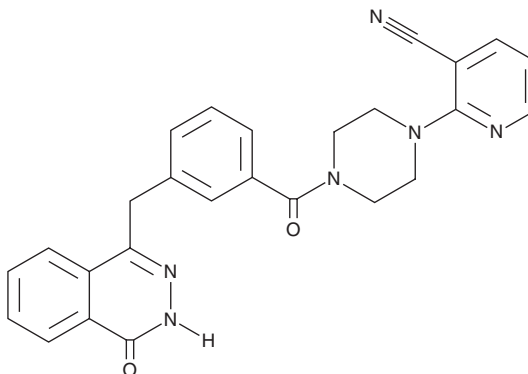


**AZ9482**

Item No. 30292

**CAS Registry No.:** 1825345-33-2  
**Formal Name:** 2-[4-[3-[(3,4-dihydro-4-oxo-1-phthalazinyl)methyl]benzoyl]-1-piperazinyl]-3-pyridinecarbonitrile

**MF:** C<sub>26</sub>H<sub>22</sub>N<sub>6</sub>O<sub>2</sub>  
**FW:** 450.5  
**Purity:** ≥98%  
**UV/Vis.:** λ<sub>max</sub>: 265 nm  
**Supplied as:** A crystalline solid  
**Storage:** -20°C  
**Stability:** ≥2 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

## Laboratory Procedures

AZ9482 is supplied as a crystalline solid. A stock solution may be made by dissolving the AZ9482 in the solvent of choice, which should be purged with an inert gas. AZ9482 is soluble in organic solvents such as DMSO and dimethyl formamide. The solubility of AZ9482 in these solvents is approximately 0.15 and 0.25 mg/ml, respectively.

## Description

AZ9482 is a poly(ADP-ribose) polymerase (PARP) inhibitor (IC<sub>50</sub>s = 1, 1, 46, 640, 9, and 160 nM for PARP1, -2, -3, -6, TNKS1/PARP5a, and TNKS2, respectively).<sup>1</sup> It induces centrosome declustering (EC<sub>50</sub> = <18 nM) and a multipolar spindle phenotype in HeLa cells. AZ9482 inhibits the growth of OCI-LY19 diffuse large B cell lymphoma (DLBCL) cells (GI<sub>50</sub> = 3 nM).

## Reference

1. Johannes, J.W., Almeida, L., Daly, K., *et al.* Discovery of AZ0108, an orally bioavailable phthalazinone PARP inhibitor that blocks centrosome clustering. *Bioorg. Med. Chem. Lett.* **25(24)**, 5743-5747 (2015).

### WARNING

THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

### SAFETY DATA

This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent via email to your institution.

### WARRANTY AND LIMITATION OF REMEDY

Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

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