

Product Data Sheet

Product Name: AZ9482
Cat. No.: GC46900

Chemical Properties

Cas. No. 1825345-33-2

SMILES O=C1C2=CC=CC=C2C(CC3=CC(C(N4CCN(C5=NC=CC=C5C#N)CC4)=O)=CC=C3)=N1

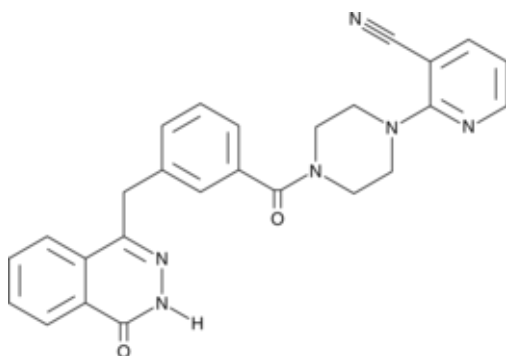
Formula C₂₆H₂₂N₆O₂ M.Wt 450.5

Solubility DMF: 0.25mg/mL, DMSO: 0.15mg/mL Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

AZ9482 is a poly(ADP-ribose) polymerase (PARP) inhibitor (IC₅₀s = 1, 1, 46, 640, 9, and 160 nM for PARP1, -2, -3, -6, TNKS1/PARP5a, and TNKS2, respectively).¹ It induces centrosome declustering (EC₅₀ = <18 nM) and a multipolar spindle phenotype in HeLa cells. AZ9482 inhibits the growth of OCI-LY19 diffuse large B cell lymphoma (DLBCL) cells (GI₅₀ = 3 nM).

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-

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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