

Product Datasheet

AZD-7648

Catalog No. **BP-01991** · CAS **2230820-11-6** · Form **free base** · Physical state **solid** · Color **White to yellow** · Version **1.0** · Revision **2026-09-10**

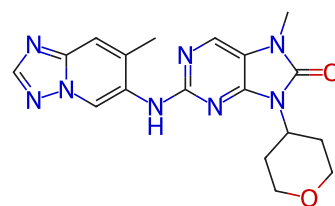
FOR RESEARCH USE ONLY. NOT FOR HUMAN OR VETERINARY USE.

Target DNA-PK	Research area Cancer
-------------------------	--------------------------------

Molecular formula **C₁₈H₂₀N₈O₂**

Molecular weight **380.4038**

STRUCTURE



DESCRIPTION

AZD-7648 is a potent and selective DNA-PK inhibitor.

BIOLOGICAL ACTIVITY

In Vitro

AZD7648 (0-30 μM) is a potent radiosensitizer.

AZD7648 (3 μM) increases sensitivity to Doxorubicin.

AZD7648 (0.6 μM) enhances the activity of PARP inhibitor Olaparib.

In Vivo

AZD-7648 (100 mg/kg; p.o.; once daily for 5 days) induces tumour growth inhibition and tumour regression.

SOLUBILITY

Soluble in DMSO; need ultrasonic and heat

REFERENCES

[1]. Fok JHL, et al. AZD7648 is a potent and selective DNA-PK inhibitor that enhances radiation, chemotherapy and olaparib activity. Nat Commun. 2019 Nov 7;10(1):5065.

Tel: +86 20 31130026 · Fax: +86 20 36822386 · tech@biochemprobe.com · www.biochemprobe.com

BiochemProbe is the catalog brand of Guangzhou Yuyuan Biotech Co., Ltd. · For research use only.

Lot CoA and SDS are separate documents.