

Product Datasheet

AZD0095

Catalog No. **BP-02374** · CAS **2750001-23-9** · Form **free base** · Physical state **other** · Color **Light yellow to yellow** · Version **1.0** · Revision **2026-09-11**

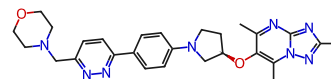
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Target Monocarboxylate Transporter	Research area Cancer
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Molecular formula **C₂₇H₃₂N₈O₂**

Molecular weight **500.5954**

STRUCTURE



DESCRIPTION

AZD0095 is a selective and orally active MCT4 inhibitor (IC₅₀: 1.3 nM). AZD0095 effectively inhibits the tumor growth in NCI-H358 xenograft in combination with Cediranib (EX-A2039).

BIOLOGICAL ACTIVITY

In Vitro

AZD0095 (0-50 μM) inhibits cell proliferation in NCI-H358 cells (high expression of MCT4), with an IC₅₀ of 26 nM.

In Vivo

AZD0095 (100 mg/kg, p.o. bid) together with Cediranib (3 mg/kg, p.o.) reduces tumor growth in a murine NCI-H358 xenograft.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 10 mg/mL

REFERENCES

[1]. Goldberg FW, et al. Discovery of Clinical Candidate AZD0095, a Selective Inhibitor of Monocarboxylate Transporter 4 (MCT4) for Oncology. J Med Chem. 2022 Dec 16.

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

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