

Product Datasheet

MRT-2359

Catalog No. **BP-02370** · CAS **2803881-11-8** · Form **free base** · Physical state **other** · Color **white to off-white** · Version **1.0** · Revision **2026-09-11**

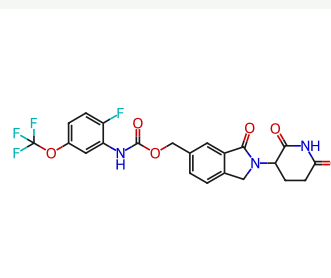
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Target Molecular Glues; Apoptosis	Research area Inflammation/Immunology; Cancer
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Molecular formula **C₂₂H₁₇F₄N₃O₆**

Molecular weight **495.3805**

STRUCTURE



DESCRIPTION

MRT-2359 is an orally active and potent degrader of GSPT1 with anti-tumor activity. MRT-2359 also inhibits the growth of resistant non-small cell lung cancer (NSCLC) and small cell lung cancer (SCLC) cells. MRT-2359 exhibits preferential activity in MYC-driven cell lines, such as N- and L-MYC high NSCLC and SCLC patient-derived xenografts (PDXs).

BIOLOGICAL ACTIVITY

MRT-2359 is an orally active and potent degrader of GSPT1 with anti-tumor activity.

SOLUBILITY

Soluble in DMSO

In vitro DMSO : 100 mg/mL

REFERENCES

- [1]. Gerald Gavory, et al. Identification of MRT-2359, a Potent, Selective and Orally Bioavailable GSPT1-directed Molecular Glue Degradator (MGD) for the Treatment of Cancers with MYC-induced Translational Addiction.
- [2]. Gerald Gavory, et al. Abstract 3449: Development of MRT-2359, an orally bioavailable GSPT1 molecular glue degrader, for the treatment of lung cancers with MYC-induced translational addiction. Cancer Res (2023) 83 (7_Supplement): 3449.
- [3]. Gerald Gavory, et al. Abstract 3929: Identification of MRT-2359 a potent, selective and orally bioavailable GSPT1-directed molecular glue degrader (MGD) for the treatment of cancers with Myc-induced translational addiction. Cancer Res (2022) 82 (12_Supplement): 3929.

[4]. Ralph Tiedt, et al. Abstract 3294: The GSPT1 molecular glue degrader MRT-2359 is active against prostate cancer. Cancer Res (2024) 84 (6_Supplement): 3294.

[5]. Chang X, et al. Development and therapeutic potential of GSPT1 molecular glue degraders: A medicinal chemistry perspective. Med Res Rev. 2024 Jul;44(4):1727-1767.

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

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