

Product Datasheet

GSK-3484862

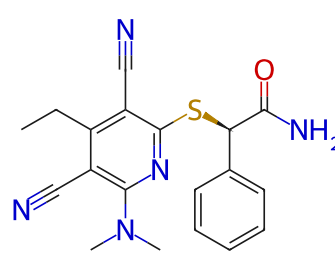
Catalog No. **BP-01346** · CAS **2170136-65-7** · Form **free base** · Physical state **solid** · Color **light yellow to yellow** · Version **1.0**
· Revision **2026-09-04**

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Target DNA Methyltransferase; Apoptosis	Research area Cancer
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Molecular formula	C₁₉H₁₉N₅OS
Molecular weight	365.4520

STRUCTURE



DESCRIPTION

GSK-3484862 is a non-covalent inhibitor for DNA methyltransferase (Dnmt1). GSK-3484862 induces DNA hypomethylation to against cancer. GSK-3484862 mediates dramatic demethylation in murine embryonic stem cells with minimal non-specific toxicity.

BIOLOGICAL ACTIVITY

GSK-3484862 is a non-covalent inhibitor for Dnmt1. GSK-3484862 induces DNA hypomethylation to against cancer. GSK-3484862 mediates global demethylation in murine embryonic stem cells.

SOLUBILITY

soluble in DMSO

In vitro DMSO : 20 mg/mL

REFERENCES

- [1]. Azevedo Portilho N, et al. The DNMT1 inhibitor GSK-3484862 mediates global demethylation in murine embryonic stem cells. Epigenetics Chromatin. 2021;14(1):56. Published 2021 Dec 15.
- [2]. Liu Y, et al. DNMT1-targeting remodeling global DNA hypomethylation for enhanced tumor suppression and circumvented toxicity in oral squamous cell carcinoma. Mol Cancer. 2024;23(1):104. Published 2024 May 16.
- [3]. Zhuang X, et al. Aging limits stemness and tumorigenesis in the lung by reprogramming iron homeostasis[J]. BioRxiv, 2024: 2024.06. 23.600305.
- [4]. Chen Q, et al. GSK-3484862, a DNMT1 degrader, promotes DNMT3B expression in lung cancer cells. NAR Cancer. 2025;7(2):zcaf018. Published 2025 May 27.

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