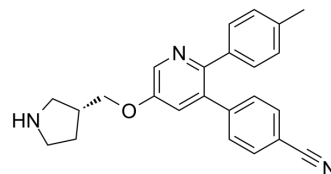


GSK 690

Cat. No.:	HY-117226
CAS No.:	2101305-84-2
Molecular Formula:	C ₂₄ H ₂₃ N ₃ O
Molecular Weight:	369.46
Target:	Histone Demethylase
Pathway:	Epigenetics
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	GSK 690 is a reversible inhibitor of lysine specific demethylase 1 (LSD1), with a K _d value of 9 nM and a biochemical IC ₅₀ of 37 nM.
In Vitro	<p>GSK690 (1-10 μM) acts together with JNJ-26481585 to induce cell death in all four tested RMS cells lines (RD, RH30, RMS13, and TE381.T cells)^[2].</p> <p>GSK690/JNJ-26481585 cotreatment alters the balance between pro- and antiapoptotic proteins with 1 μM GSK690 for RD cells) and 10 μM GSK690 for RH30 cells^[2].</p> <p>GSK690/JNJ-26481585 cotreatment induces caspase-dependent cell death with 1 μM GSK690 for RD cells and 10 μM GSK690 for RH30 cells^[2].</p> <p>The addition of GSK690 further enhances the JNJ-26481585-stimulated G2/M arrest^[2].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

CUSTOMER VALIDATION

- Oncogene. 2021 Mar 12.

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REFERENCES

- [1]. Mould DP, et al. Development of (4-Cyanophenyl)glycine Derivatives as Reversible Inhibitors of Lysine Specific Demethylase 1. J Med Chem. 2017 Oct 12;60(19):7984-7999.
- [2]. Haydn T, et al. Concomitant epigenetic targeting of LSD1 and HDAC synergistically induces mitochondrial apoptosis in rhabdomyosarcoma cells. Cell Death Dis. 2017 Jun 15;8(6):e2879.

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

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