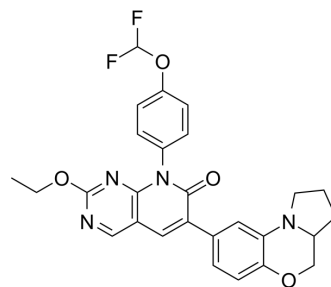


MAT2A-IN-14

Cat. No.:	HY-162135
Molecular Formula:	C ₂₇ H ₂₄ F ₂ N ₄ O ₄
Molecular Weight:	506.5
Target:	Methionine Adenosyltransferase (MAT); Reactive Oxygen Species
Pathway:	Epigenetics; Metabolic Enzyme/Protease; Immunology/Inflammation; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MAT2A-IN-14 (compound H3) is a MAT2A inhibitor, and generates reactive oxygen species after sonication to specifically degrade cellular MAT2A via rapid oxidative reactions. Combination of MAT2A-IN-14 and sonication induces 87% MAT2A depletion in human colon cancer cell^[1].

REFERENCES

[1]. He H, et al. Identification of a Sonically Activated Degradator of Methionine Adenosyltransferase 2A by an in Silico Approach Assisted with the Hole-Electron Analysis. *J Med Chem.* 2024;67(1):543-554.

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

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