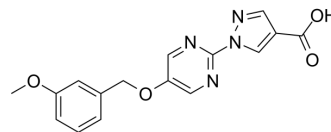


ALKBH1-IN-3

Cat. No.:	HY-168044
Molecular Formula:	C ₁₆ H ₁₄ N ₄ O ₄
Molecular Weight:	326.31
Target:	AMPK
Pathway:	Epigenetics; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ALKBH1-IN-3 is a potent DNA N6-methyladenine (6mA) demethylase ALKBH1 inhibitor. ALKBH1-IN-3 increases the abundance of 6mA, inhibits cell viability and upregulates the AMP-activated protein kinase (AMPK) signaling pathway in gastric cancer cell lines HGC27 and AGS. ALKBH1-IN-3 is promising for research of cancers, including gastric cancer^[1].

REFERENCES

[1]. Li F, et al. Structural Optimization and Structure-Activity Relationship of 1H-Pyrazole-4-carboxylic Acid Derivatives as DNA 6mA Demethylase ALKBH1 Inhibitors and Their Antigastric Cancer Activity. J Med Chem. 2024 Sep 12;67(17):15456-15475.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA