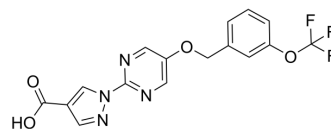


## ALKBH1-IN-1

Cat. No.:	HY-163385
Molecular Formula:	C <sub>16</sub> H <sub>11</sub> F <sub>3</sub> N <sub>4</sub> O <sub>4</sub>
Molecular Weight:	380.28
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	ALKBH1-IN-1 (Compound 13h) is a selective ALKBH1 inhibitor, with an IC <sub>50</sub> of 0.026 μM and 1.39 μM in the fluorescence polarization and enzyme activity assay, respectively. ALKBH1-IN-1 can modulate the level of DNA 6mA modifications. ALKBH1-IN-1 can be used to study the functions of ALKBH1 and DNA 6mA <sup>[1]</sup> .
<b>In Vitro</b>	ALKBH1-IN-1 (3 μM, 48 h) stabilizes the ALKBH1 protein in U251 cells overexpressed with ALKBH1 <sup>[1]</sup> . ALKBH1-IN-1 (10 μM, 48 h) increases the amount of 6mA in DNA in U251 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Xiong L, et al. Discovery of a Potent and Cell-Active Inhibitor of DNA 6mA Demethylase ALKBH1. J Am Chem Soc. 2024 Mar 13;146(10):6992-7006.

**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