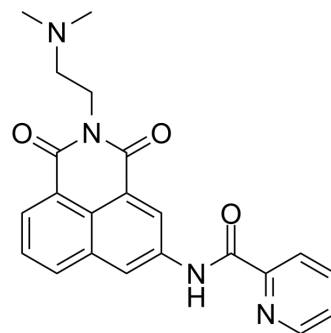


## FTO-IN-10

Cat. No.:	HY-156405
Molecular Formula:	C <sub>22</sub> H <sub>20</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	388.42
Target:	Fat Mass and Obesity-associated Protein (FTO); Autophagy
Pathway:	Metabolic Enzyme/Protease; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

FTO-IN-10 (compound 7) is a potent human demethylase FTO (the fat mass and obesity-associated protein) inhibitor with an IC<sub>50</sub> of 4.5 μM. FTO-IN-10 enters the FTO's structural domain II binding pocket through hydrophobic and hydrogen bonding interactions. FTO-IN-10 induces DNA damage and autophagic cell death in A549 cells<sup>[1]</sup>.

## REFERENCES

[1]. Chao Ge, et al. Novel 1,8-Naphthalimide Derivatives As Antitumor Agents and Potent Demethylase Inhibitors. ACS Med. Chem. Lett. 2023.

**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