

PRODUCT:**IACS-010759****ALTERNATE NAME:**

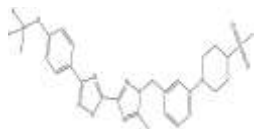
5-(5-methyl-1-(3-(4-(methylsulfonyl)piperidin-1-yl)benzyl)-1H-1,2,4-triazol-3-yl)-3-(4-(trifluoromethoxy)phenyl)-1,2,4-oxadiazole

CATALOG #:

B2231-1,5

AMOUNT:

1 mg, 5 mg

STRUCTURE:**MOLECULAR FORMULA:**C₂₅H₂₅F₃N₆O₄S**MOLECULAR WEIGHT:**

562.57

CAS NUMBER:

1570496-34-2

APPEARANCE:

Crystalline solid

SOLUBILITY:

DMSO

PURITY:

≥98% by HPLC

STORAGE:

Store at -20 °C. Protect from light and light

DESCRIPTION:

IACS-010759 is a potent and selective Oxidative Phosphorylation Inhibitor (IC₅₀ < 10 nM) with potential antineoplastic activity. IACS-010759 robustly inhibits proliferation and induces apoptosis in models of brain cancer and acute myeloid leukemia (AML) reliant on OXPHOS, likely owing to a combination of energy depletion and reduced aspartate production that leads to impaired nucleotide biosynthesis.

REFERENCES:Molina, J.R., *et al.* (2018). *Nat. Med.* **24**, 1036-1046.**HANDLING:**

Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Aptenin A5 (Cat. No. 2210-250, 1000)

Auranofin (Cat. No. 2219-10, 50)

Bilobalide (Cat. No. 2028-10, 50)

Decylubiquinone (Cat. No. 2099-1, 10)

JC-1 (Cat. No. 1130-5)

Phenformin hydrochloride (Cat. No. 1889-100, 1000)

Rotenone (Cat. No. 2248-250, 1000)

USAGE:**FOR RESEARCH USE ONLY! Not to be used in humans**