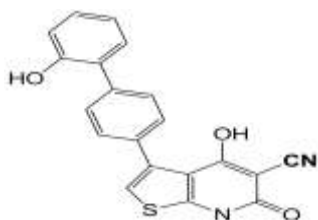


A-769662

CATALOG #: 1719-5

AMOUNT: 5 mg

STRUCTURE:



ALTERNATE NAME: 4-Hydroxy-3-(2'-hydroxy-[1,1'-biphenyl]-4-yl)-6-oxo-6,7-dihydrothieno[2,3-b]pyridine-5-carbonitrile

MOLECULAR FORMULA: C₂₀H₁₂N₂O₃S

MOLECULAR WEIGHT: 360.39

CAS NUMBER: 844499-71-4

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥98% by HPLC

STORAGE: Store at -20°C

DESCRIPTION: Cell-permeable. A potent AMPK activator. Directly stimulates partially purified rat liver AMPK (EC₅₀ = 0.8 μM) and inhibits fatty acid synthesis in primary rat hepatocytes (IC₅₀ = 3.2 μM).

REFERENCE: Cool, B., *et al.* (2008). *Cell Metab.* **3**, 403-416.

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

FOR RESEARCH USE ONLY! Not to be used in humans.

RELATED PRODUCTS:

- AICAR (Cat. No. 1687-50)
- Metformin, Hydrochloride (Cat. No. 1691-5G)
- Dorsomorphin (Cat. No. 1686-5)