

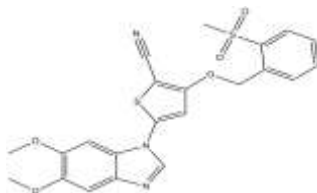
IKK-ε Kinase Inhibitor II

ALTERNATE NAME: 5-(5,6-dimethoxy-1H-benzimidazol-1-yl)-3-[[2-(methylsulfonyl)phenyl]methoxy]-2-thiophenecarbonitrile

CATALOG #: 1811-1, 5

AMOUNT: 1 mg, 5 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₂H₁₉N₃O₅S₂

MOLECULAR WEIGHT: 469.53

CAS NUMBER: 862812-98-4

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO

PURITY: ≥97% by HPLC

STORAGE: Store at -20 °C

DESCRIPTION: A benzimidazole analog that acts as a potent and selective inhibitor of IKK-ε kinase (IC₅₀ = 40 nM); displays >125-fold selectivity over IKK-α and IKK-β.

REFERENCE: Bamborough, P., *et al.* (2006). *Bioorg. Med. Chem. Lett.* **16**, 6236-6240.

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 on humans.

RELATED PRODUCTS:

- IKBα Antibody (**Cat. No. 3315-100**)
- IKBα Antibody (**Cat. No. 3252-100**)
- IKKα/IKK-1 Antibody (**Cat. No. 3185-100**)
- IKK-ε Kinase Inhibitor I (**Cat. No. 1810-1,5**)
- NF-κB p50 Antibody (**Cat. No. 3354R-100**)
- NF-κB p65 Antibody (**Cat. No. 3012-100**)
- NF-κB p65 Antibody (**Cat. No. 3038-100**)
- NF-κB p105 Antibody (**Cat. No. 3897-100**)