

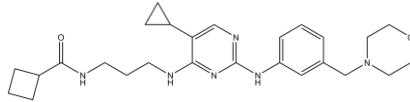
PRODUCT: MRT67307

ALTERNATE NAMES: MRT 67307, MRT-67307, N-[3-[[5-cyclopropyl-2-[3-(morpholin-4-ylmethyl)anilino]pyrimidin-4-yl]amino]propyl]cyclobutanecarboxamide, SIK inhibitor, TBK-1 inhibitor, IKKe inhibitor

CATALOG #: B1604-5, -25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₆H₃₆N₆O₂

MOLECULAR WEIGHT: 464.62

CAS NUMBER: 1190378-57-4

APPEARANCE: Solid powder

SOLUBILITY: DMSO: >23.3 mg/ml

PURITY: 98.8% by HPLC

STORAGE: Store at -20°C. Protect from air and light.

DESCRIPTION: MRT67307 is a dual inhibitor of the IKKe and TBK-1

REFERENCES:

1. Clark K et al. Novel cross-talk within the IKK family controls innate immunity. *Biochem J*, 2011, 434(1): 93-104.
2. Petherick KJ et al. Pharmacological Inhibition of ULK1 Blocks mTOR-Dependent Autophagy. *J Biol Chem*, 2015, pii: jbc.C114.627778.
3. Clark K, et al. Phosphorylation of CRT3 by the salt-inducible kinases controls the interconversion of classically activated and regulatory macrophages. *Proc Natl Acad Sci U S A*, 2012, 109(42): 16986-16991.

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

RELATED PRODUCTS:

- IKK16 (B1087)
- TPCA-1 (2431)
- SC-514 (2442)
- PS-1145 (9671)

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