PRODUCT: BI-2536

ALTERNATE NAME: (R)-4-(8-cyclopentyl-7-ethyl-5-methyl-6-oxo-5,6,7,8-tetrahydropteridin-2-ylamino)-3-methoxy-N-(1-methylpiperidin-4-yl)benzamide

CATALOG #: 2370-5, 25

AMOUNT:

STRUCTURE:

MOLECULAR FORMULA: C_{28}H_{39}N_{7}O_{3}

MOLECULAR WEIGHT: 521.65

CAS NUMBER: 755038-02-9

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (~20 mg/ml) or Ethanol (~100 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: At -20 °C. Protect from light and moisture

DESCRIPTION: BI-2536 is a potent, selective inhibitor of polo-like kinase 1 (PLK1) (IC_{50} = 0.83 nM). It blocks the activities of Plk2 and Plk3 to a slightly lesser extent with IC_{50} of 3.5 nM and 9.0 nM, respectively. BI-2536 potently causes a mitotic arrest and induces apoptosis in human cancer cell lines of diverse tissue origin.


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

RELATED PRODUCTS:
- BI 6727 (Cat. No. 2222-1, 5)
- GSK461364 (Cat. No. 2287-5, 25)
- Wortmannin (Cat. No. 1670-1)

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