PRODUCT: BII B021
ALTERNATE NAME: 6-Chloro-9-[(4-methoxy-3,5-dimethyl-2-pyridinyl)methyl]-9H-purin-2-amine; CNF2024
CATALOG #: 2291-5, 25
AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₄H₁₅ClN₆O
MOLECULAR WEIGHT: 318.76
CAS NUMBER: 848695-25-0
APPEARANCE: White to off-white solid
SOLUBILITY: DMSO (~65 mg/ml) or Ethanol (~3 mg/ml)
PURITY: ≥99% by HPLC
STORAGE: At -20°C. Protect from light and moisture
DESCRIPTION: A synthetic, small molecule Hsp90 inhibitor that binds competitively with geldanamycin in the ATP-binding pocket of Hsp90. In tumor cells, BIIIB021 induces the degradation of Hsp90 client proteins including HER-2, AKT, and Raf-1 and up-regulates expression of the heat shock proteins Hsp70 and Hsp27. BIIIB021 inhibits the proliferation of N87, MCF-7, and BT474 tumor cells with IC₅₀ values of 0.06, 0.31, and 0.14 µM, respectively.

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

RELATED PRODUCTS:
17-AAG (Cat. No. 1774-1,5)
17-DMAG (Cat. No. 1776-1,5)
Geldanamycin (Cat. No. 1564-1,5)
NVP-AUY922 (Cat. No. 1591-1,5)

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