BioVision

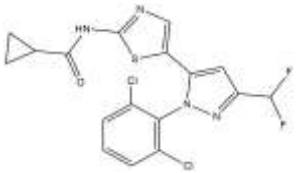
PRODUCT: BMS-3

ALTERNATE NAME: N-[5-[1-(2,6-dichlorophenyl)-3-(difluoromethyl)-1H-pyrazol-5-yl]-2-thiazolyl]-cyclopropanecarboxamide

CATALOG #: B2298-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: $C_{17}H_{12}Cl_2F_2N_4OS$

MOLECULAR WEIGHT: 429.27

CAS NUMBER: 1338247-30-5

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO (~10 mg/ml)

PURITY: ≥97% by HPLC

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

DESCRIPTION: BMS-3 is a potent and specific inhibitor of activated LIM domain kinases LIMK1 and LIMK2 (IC_{50}s = 5 and 6 nM, respectively). LIMK1 is responsible for the inactivation of cofilin (ADF family protein), leading to actin reorganization. It is upregulated in several invasive cancers.

REFERENCES:

Ross-Macdonald, P., *et al.* (2008). *Mol. Cancer Ther.***7,** 3490-3498.

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

RELATED PRODUCTS:

BMS-3 **(B2298)**
T501640 **(B1097)**
SR7826 **(B1096)**
LIMKi 3 **(B1095)**
LIMK1 Antibody **(3433)**
LIMK2 Antibody **(3584)**

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

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