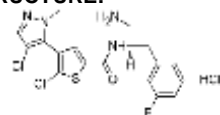


PRODUCT: Afuresertib hydrochloride

ALTERNATE NAME: N-[(1S)-2-amino-1-[(3-fluorophenyl)methyl]ethyl]-5-chloro-4-(4-chloro-1-methyl-1H-pyrazol-5-yl)-2-thiophenecarboxamide, monohydrochloride

CATALOG NUMBER: B1848-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₁₈H₁₇Cl₂FN₄OS • HCl

MOLECULAR WEIGHT: 463.8

CAS NUMBER: 1047645-82-8

APPEARANCE: Crystalline solid

SOLUBILITY: DMSO (~ 30 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Afuresertib is a potent and selective Akt inhibitor with potential antineoplastic activity. Afuresertib binds to and inhibits the activity of Akt, which may result in inhibition of the PI3K/Akt signaling pathway and tumor cell proliferation and the induction of tumor cell apoptosis.

REFERENCES: Spencer, A., *et al.* (2014). *Blood* **124**, 2190-2195.

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

RELATED PRODUCTS:

Akt Inhibitor (**Cat. No. 1701-1**)

Akt Inhibitor, Isozyme-Selective (**Cat. No. 1708-1**)

Akt Inhibitor (10-NCP) (**Cat. No. 2338-1, 5**)

Afuresertib hydrochloride (**Cat. No. B1848-5,25**)

Cordycepin (**Cat. No. 2078-10, 50**)

DiscoveryPak™ PI 3 Kinase Inhibitor Set (**Cat. No. K856-5**)

GSK-690693 (**Cat. No. 227205, 25**)

MK-2206 (**Cat. No. 1888-500, 1000**)

Perifosine(KRX-0401) (**Cat. No. 1592-5, 25**)

PHT427 (**Cat. No. 2465-10, 50**)

SH-5 (**Cat. No. 1818-500**)

SH-6 (**Cat. No. 1819-500**)

SC66 (**Cat. No. 1870-10, 50**)

Triciribine (**Cat. No. 1707-1**)

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