

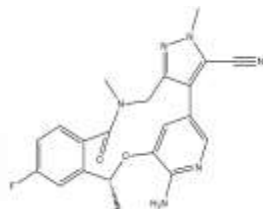
PRODUCT: PF-06463922

ALTERNATE NAME: (10*R*)-7-Amino-12-fluoro-10,15,16,17-tetrahydro-2,10,16-trimethyl-15-oxo-2*H*-4,8-methenopyrazolo[4,3-*h*][2,5,11]benzoxadiazacyclotetradecine-3-carbonitrile

CATALOG #: B1169-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₁H₁₉FN₆O₂

MOLECULAR WEIGHT: 406.41

CAS NUMBER: 1454846-35-5

APPEARANCE: White Solid

SOLUBILITY: DMSO (>35 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: PF-06463922 is a potent, selective, brain-penetrant, and high affinity ALK (Anaplastic lymphoma kinase) and ROS1 (c-Ros oncogene 1) inhibitor displaying >100-fold selectivity for ROS1 over panel of 204 other kinases. It has strong activity against all known ALK and ROS1 mutants identified in patients, including the EML4-L1196M mutant of ALK (K_i = < 0.02 nM). It inhibits proliferation of BaF3 cells containing Crizotinib resistant ROS1 mutation *in vitro*.

REFERENCES: Zou,H.Y.*et al.* (2015). *Proc.Natl.Acad.Sci.U.S.A*,**112**, 3493-98

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

RELATED PRODUCTS:

A 83-01 (Cat. No. 1725-1)
 ABT-869 (Cat. No. 1615-1,5)
 Axitinib (Cat. No. 1581-5, 25)
 BIBW2992 (Cat. No. 1616-1,5)
 BMS-599626 (Cat. No. 1614-1,5)
 Bosutinib (Cat. No. 1584-5, 25)
 Canertinib (Cat. No. 1617-5)
 Cediranib (Cat. No. 1613-1,5)
 CP-690550 (Cat. No. 1622-5,25)
 Dasatinib (Cat. No. 1586-25, 100)
 Emodin (Cat. No. 1875-25, 100)
 Enzastaurin (LY317615)(Cat. No. 1619-1,5)
 Erlotinib, Hydrochloride Salt (Cat. No. 1588-100,1000)
 EZSolution™ Staurosporine (Cat. No. 1745-01)
 Gefitinib (Cat. No. 1589-5,25)
 Genistein (Cat. No. 1533-10, 100)
 Go 6976 (Cat. No. 1711-500)
 Imatinib Mesylate (Cat. No. 1625-100, 1000)
 Lapatinib Ditosylate (Cat. No. 1624-25,100)
 Nilotinib (Cat. No. 1750-25, 100)
 PD 153035, Hydrochloride (Cat. No. 1656-2)
 PD173074 (Cat. No. 1675-1)
 Saracatinib (Cat. No. 1582-5, 25)
 SB-431542 (Cat. No. 1674-1)
 Sorafenib (Cat. No. 1594-5, 25)
 Staurosporine (Cat. No. 1048-01,1)
 Tamoxifen Citrate (Cat. No. 1551-1000)
 SU 1498 (Cat. No. 1836-1,5)
 SU-5402 (Cat. No. 1645-05)
 Sunitinib Malate (Cat. No. 1611-100, 1000)
 Tyrphostin AG 1295 (Cat. No. 1571-5)
 Tyrphostin AG 490 (Cat. No. 1570-5)
 Vandetanib (Cat. No. 1751-25, 100)

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