

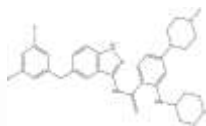
PRODUCT: Entrectinib

ALTERNATE NAME: (Z)-N-(5-(3,5-difluorobenzyl)-1H-indazol-3(2H)-ylidene)-4-(4-methylpiperazin-1-yl)-2-((tetrahydro-2H-pyran-4-yl)amino)benzamide

CATALOG #: B1324-5,25

AMOUNT: 5 mg, 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₃₁H₃₄F₂N₆O₂

MOLECULAR WEIGHT: 560.64

CAS NUMBER: 1108743-60-7

APPEARANCE: White to off-white solid

SOLUBILITY: DMSO

PURITY: ≥97% by HPLC

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

DESCRIPTION: Entrectinib is an inhibitor of TrkA (IC₅₀ = 1.7 nM), TrkB (IC₅₀ = 0.1 nM), and TrkC (IC₅₀ = 0.1 nM), as well as C-ros oncogene 1 (ROS1; IC₅₀ = 0.2 nM) and anaplastic lymphoma kinase (ALK; IC₅₀ = 1.6 nM). Entrectinib blocks proliferation of ALK-dependent cell lines, including those with L1196M or C1156Y resistance mutations, and inhibits ALK-dependent signaling.

REFERENCES: Sullivan, I., and Planchard, D. (2016). *Ther. Adv. Med. Oncol.* **8**, 32-47

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 USE ONLY! Not to be used in humans**