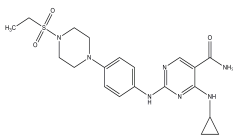


PRODUCT: Cerdulatinib

ALTERNATE NAME: 4-(cyclopropylamino)-2-((4-(4-(ethylsulfonyl)piperazin-1-yl)phenyl)amino)pyrimidine-5-carboxamide; PRT2070; PRT-2070; PRT 2070; PRT-062070; PRT 062070; PRT062070.

CATALOG #: 2803-5, 25

AMOUNT: 5 mg, 25 mg

STRUCTURE:

MOLECULAR FORMULA: C₂₀H₂₇N₇O₃S

MOLECULAR WEIGHT: 445.54

CAS NUMBER: 1198300-79-6

APPEARANCE: White solid

SOLUBILITY: DMSO (>40 mg/ml)

PURITY: ≥98% by HPLC

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

DESCRIPTION: Cerdulatinib is a novel, dual spleen tyrosine kinase (Syk) and janus kinase (JAK) inhibitor. It preferentially inhibits JAK1 and JAK3 dependent cytokine mediated signaling and functional responses in various cell types. IL2 mediated STAT5 Y694 is inhibited with an IC₅₀ of 0.27 μM, while IL4 mediated signaling to STAT6 Y641 and functional responses in B cells and monocytes, namely CD69, CD25, and CD23 up-regulation, are inhibited with IC₅₀'s within the range of 0.11 μM to 0.57 μM.

REFERENCE: Coffey, G., *et al.* (2014). *J. Pharmacol. Exp. Ther.* **351**, 538-548.

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

RELATED PRODUCTS:

AZD1480 (Cat. No. 2315-1, 5)
 BAY 61-3606 hydrochloride (Cat. No. 1796-1,5)
 BMS-911543 (Cat. No. 2630-1,5)
 CP-690550 (Cat. No. 1622-5, 25)
 Cyt387 (Cat. No. 2316-1, 5)
 Fostamatinib Disodium (Cat. No. 1936-1,5)
 GS-9973 (Cat. No. 2669-1,5)
 JAK Inhibitor, Pyridone 6 (Cat. No. 2534-500, 1000)
 Lestaurtinib (Cat. No. 1805-500, 1000)
 LLL12 (Cat. No. 1792-5, 25)
 MS-1020 (Cat. No. 1911-1)
 Ruxolitinib, free base (Cat. No. 2139-5, 25)
 SB-1518 (Cat. No. 2450-1, 5)
 TG101348 (Cat. No. 2314-1, 5)
 Tyrphostin AG 490 (Cat. No. 1570-5)
 WHI-P131 (Cat. No. 1853-5, 25)
 WP1066 (Cat. No. 1809-5, 25)
 XL019 (Cat. No. 2609-5, 25)

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