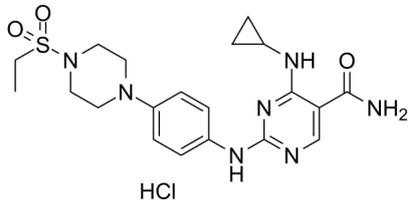


Certificate of Analysis

Catalog Number	BP10428
Product Name	Cerdulatinib hydrochloride

Physical and Chemical Properties

Synonyms	PRT062070 hydrochloride, Cerdulatinib, PRT2070, PRT062070, PRT2070 hydrochloride
CAS No.	1369761-01-2
Chemical Formula	C ₂₀ H ₂₈ ClN ₇ O ₃ S
Molecular Weight	482
Solubility	Ethanol: <1 mg/mL H ₂ O: <1 mg/mL; DMSO: 40 mg/mL (83 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	Cerdulatinib (PRT-062070) is an oral active, multi-targeted tyrosine kinase inhibitor with IC50 of 12 nM/6 nM/8 nM/0.5 nM and 32 nM for JAK1/JAK2/JAK3/TYK2 and Syk, respectively. Also inhibits 19 other tested kinases with IC50 less than 200 nM.
Targets&IC50	JAK2: 6 nM, JAK1: 12 nM, Tyk2: 0.5 nM, JAK3: 8 nM, Syk: 32 nM
In vitro	Cell lines (Ramos RA-1, Daudi, Toledo, SU-DHL4 and SU-DHL6) are cultured in RPMI media supplemented with 10% fetal bovine serum. Cells are treated with the indicated concentrations of PRT062070, the SYK-selective inhibitor PRT060318, the pan-JAK inhibitor 1, a 1:1 combination of PRT060318 and JAK inhibitor 1, or vehicle control (0.5% dimethylsulfoxide) for 72 hours. Cell viability assays are performed using CellTiter Glo in 384-well plates. Cells are seeded at a density of 5000 cells per well. (Only for Reference)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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