Purdue Bioscience

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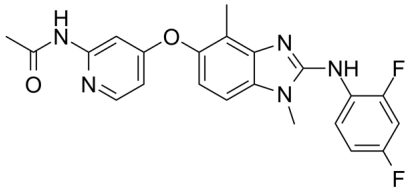
Data Sheet

Product Information

Catalog Number	BP10864
Product Name	CHZ868
Description	CHZ868 is a type II JAK2 inhibitor (IC50: 0.17 μM in EPOR JAK2 WT Ba/F3 cell).
Targets&IC50	JAK2: 110 nM
In vitro	CHZ868 is dissolved in DMSO to make 10 mM stock solution and diluted in culture media. Cells are treated with CHZ868 (0, 0.05, 0.1, 0.2 μM) or vehicle (DMSO). After 48 hr (Ba/F3 cells) or 72 hr (MHH-CALL4 and PDX cells), CellTiter-Glo Luminescent Cell Viability Assay is added (10 μL undiluted or 25 μL of a 1:2 dilution in each well) and plates are read.
In vivo	CHZ868 is reconstituted in 0.5% methylcellulose / 0.5% Tween-80 and administered at doses of 10 or 30 mg/kg/day by oral gavage. Pharmacokinetic/pharmacodynamic and efficacy studies in the mouse model of rhEpo-induced polycythemia are carried out essentially. Detection of STAT5 phosphorylation in spleen lysates by Meso Scale Discovery is performed.
CAS No.	1895895-38-1
Chemical Formula	C22H19F2N5O2
Molecular Weight	423.424
Solubility	DMSO: 145 mg/mL (342.45 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year

Chemical Structure OR Tested Image	

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