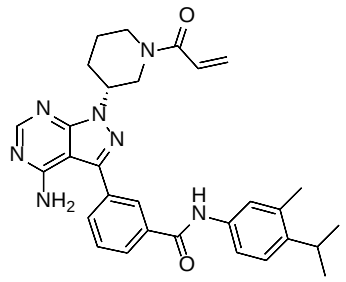
Product data sheet

MedKoo Cat#: 555203 Name: PF-06465469 CAS: 1407966-77-1 Chemical Formula: $C_{30}H_{33}N_7O_2$ Exact Mass: 523.2696 Molecular Weight: 523.641	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years.
	In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:

PF-06465469 is a potent, covalent inhibitor of the nonreceptor tyrosine kinase Itk (IL-2 inducible T-cell kinase), which is expressed primarily in immune cells, and is strongly upregulated following activation of T-cells. PF-06465469 inhibits Itk enzymatic activity with an IC50 of 2 nM.

2. CoA, QC data, SDS, and handling instruction

SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	11.0	21.01

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.91 mL	9.55 mL	19.10 mL
5 mM	0.38 mL	1.91 mL	3.82 mL
10 mM	0.19 mL	0.95 mL	1.91 mL
50 mM	0.04 mL	0.19 mL	0.38 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator

Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study

In vitro study

TBD

In vivo study

TBD

7. Bioactivity

Biological target:

PF-06465469 is a covalent inhibitor of ITK with an IC_{50} of 2 nM.

In vitro activity

TBD

In vivo activity

TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.