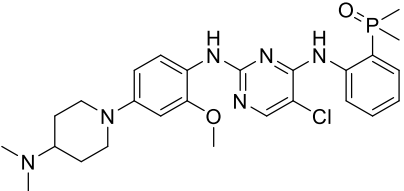


Product data sheet



MedKoo Cat#: 205765 Name: Brigatinib-analog CAS#: 1197958-12-5 (analog) Chemical Formula: C ₂₆ H ₃₄ ClN ₆ O ₂ P Exact Mass: 528.21694 Molecular Weight: 529.01		
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:

Brigatinib-analog is an orally active, potent and selective anaplastic lymphoma kinase (ALK) and the epidermal growth factor receptor (EGFR) inhibitor. Brigatinib-analog is structurally related to Brigatinib (AP-26113). Brigatinib-analog binds to and inhibits ALK kinase and ALK fusion proteins as well as EGFR and mutant forms. This leads to the inhibition of ALK kinase and EGFR kinase, disrupts their signaling pathways and eventually inhibits tumor cell growth in susceptible tumor cells.

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	60.33	114.04
DMF	30.0	56.71
Ethanol	65.5	123.82
PBS (pH 7.2)	0.3	0.57

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.89 mL	9.45 mL	18.90 mL
5 mM	0.38 mL	1.89 mL	3.78 mL
10 mM	0.19 mL	0.95 mL	1.89 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:

ALK-IN-1 (Brigatinib analog) is an inhibitor of anaplastic lymphoma kinase(ALK), Patent US20140066406 A1.

In vitro activity

TBD

Product data sheet



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.