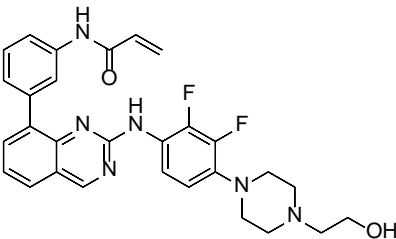


Product data sheet



MedKoo Cat#: 207019 Name: Olafertinib CAS: 1660963-42-7 Chemical Formula: C ₂₉ H ₂₈ F ₂ N ₆ O ₂ Exact Mass: 530.2242 Molecular Weight: 530.5798		
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:

Olafertinib, also known as CK-101 and Olafertinib, is a potent and orally active EGFR mutant-specific inhibitor. CK-101 specifically and covalently binds to and inhibits specific EGFR mutations, with particularly high selectivity against the T790M mutation; this prevents EGFR mutant-mediated signaling and leads to cell death in EGFR mutant-expressing tumor cells. Compared to some other EGFR inhibitors, CK-101 may have therapeutic benefits in tumors with T790M-mediated drug resistance.

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	125.0	235.59

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	1.88 mL	9.42 mL	18.85 mL
5 mM	0.38 mL	1.88 mL	3.77 mL
10 mM	0.19 mL	0.94 mL	1.88 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:

Olafertinib is a third-generation EGFR TKI, with GI50 values of 5 nM (EGFR L858R/T790M), 10 nM (EGFR del19) and 689 nM (EGFR WT), respectively.

In vitro activity

TBD

In vivo activity

TBD

Product data sheet



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.