

Product Data Sheet

Product Name: Os30
Cat. No.: GC73567

Chemical Properties

Cas. No. 2998928-68-8

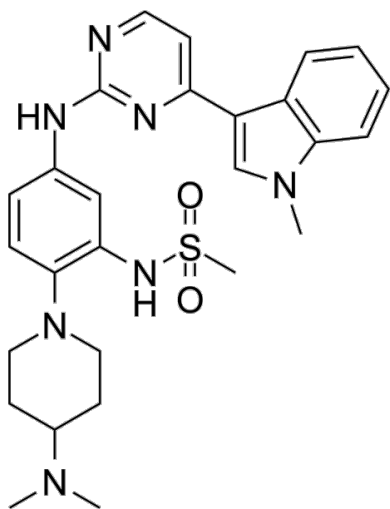
Formula $C_{27}H_{33}N_7O_2S$ M.Wt 519.66

Solubility DMSO : 50 mg/mL (96.22 mM;
ultrasonic and warming and heat to
80°C) Storage -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Os30, a potent fourth-generation EGFR inhibitor, is a potent EGFR C797S-TK inhibitor with IC₅₀ values of 18 nM and 113 nM for EGFR Del19/T790M/C797S TK and EGFR L858R/T790M/C797S TK, respectively. Os30 can suppress EGFR phosphorylation, arrest at G1 phase and induce the apoptosis of KC-0116 (BaF3-EGFR Del19/T790M/C797S) cells. Os30 shows potent antitumor efficacy on non-small cell lung cancer (NSCLC) with EGFR C797S mutation.

Caution: Product has not been fully validated for medical applications. For research use only.

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References:

[1]. Xiao-Xiao Xi, et al. Modification of osimertinib to discover new potent EGFR C797S-TK inhibitors. Eur J Med Chem. 2023 Dec 5;261:115865.

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