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**Product Data Sheet**

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Product Name: CH7233163

Cat. No.: GC25219

**Chemical Properties**

Cas. No. unknown

Formula C<sub>31</sub>H<sub>34</sub>F<sub>3</sub>N<sub>9</sub>O<sub>3</sub>S

M.Wt 669.72

Solubility DMSO: 100 mg/mL (149.32 mM);Water:  
Insoluble;Ethanol: InsolubleStorage Store at -  
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**

CH7233163 is a non-covalent ATP competitive inhibitor of EGFR-tyrosine kinase with antitumor activities against tumor with EGFR-Del19/T790M/C797S.

CH7233163 shows potent antitumor activities against tumor with EGFR-Del19/T790M/C797S in vitro. CH7233163 potently inhibits the proliferation of Del19/T790M/C797S\_NIH3T3 cells with IC<sub>50</sub> of 20 nmol/L. CH7233163 potently and dose-dependently blocks the EGFR phosphorylation in the Del19/T790M/C797S\_NIH3T3 cells. CH7233163 can inhibit Del19/T790M/C797S signaling.[1]

Pharmacodynamic study is performed using Del19/T790M/C797S\_NIH3T3 xenografted tumors in mice. CH7233163 clearly inhibits EGFR phosphorylation after oral administration and potent tumor regression is observed. CH7233163 has potent therapeutic efficacy against tumors with EGFR-Del19/T790M/C797S in vivo.[1]

[1] Kenji Kashima, et al. Mol Cancer Ther. 2020 Sep 17;molcanther.0229.2020.

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

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