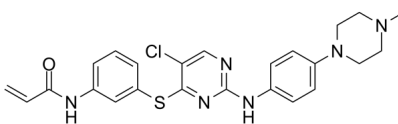


Certificate of Analysis

Catalog Number	BP10240
Product Name	WZ8040

Physical and Chemical Properties

CAS No.	1214265-57-2
Chemical Formula	C ₂₄ H ₂₅ ClN ₆ O _S
Molecular Weight	481.02
Solubility	H ₂ O: <1 mg/mL Ethanol: 3 mg/mL (6.23 mM); DMSO: 89 mg/mL (185 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	WZ8040 is a novel mutant-selective irreversible EGFR T790M inhibitor, does not inhibit ERBB2 phosphorylation (T798I).
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Targets&IC50	Calu-3 (ERBB2 amp): 915 nM , H3255 (EGFR L858R): 66 nM, H1975 (EGFR L858R/T790M): 9 nM, HCC827 GR (EGFR E746_A750/MET amp): >3.3 μM, H1781 (ERBB2 Ins G776V, C): 744 nM , PC9 (EGFR Del E746_A750): 6 nM, PC9 GR (EGFR Del E746_A750/T790M): 8 nM, H1819 (ERBB2 amp): 738 nM , HCC827 (EGFR Del E746_A750): 1 nM
In vitro	Cells are exposed to increasing concentrations of WZ8040 for 72 hours. Growth is assessed using the MTS survival assay.(Only for Reference)

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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