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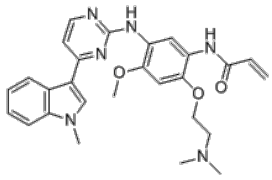
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Rezivertinib
Cat. No.	:	PC-38343
CAS No.	:	1835667-12-3
Molecular Formula	:	$C_{27}H_{30}N_6O_3$
Molecular Weight	:	486.576
Target	:	EGFR
Solubility	:	10 mM in DMSO



Biological Activity

Rezivertinib (BPI-7711) is a novel third-generation **EGFR** tyrosine kinase inhibitor selective for EGFR-sensitizing and T790M mutations, shows potential against T790M-mediated drug resistance.
Rezivertinib (BPI-7711) specifically and covalently binds to and inhibits selective EGFR mutations, with particularly high selectivity against the T790M mutation, prevents EGFR mutant-mediated signaling and leads to cell death in EGFR mutant-expressing tumor cells.
Rezivertinib (BPI-7711) shows minimal activity against wild-type EGFR (wt EGFR), and does not cause dose-limiting toxicities that occur during the use of non-selective EGFR inhibitors, which also inhibit wt EGFR.

References

Yuankai Shi, et al. ***J Thorac Oncol.*** 2022 Feb 15;S1556-0864(22)00084-3.

Nagasaka M, et al. ***J Thorac Oncol.*** 2021 May;16(5):740-763.

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