

Product Name	: UNC-2025
Synonyms	: UNC2025, UNC2025, UNC 2025
Cat No.	: M17294
CAS Number	: 1429881-91-3
Molecular Formula	: C ₂₈ H ₄₁ ClN ₆ O
Formula Weight	: 513.12
Chemical Name	: (1r,4r)-4-(2-(butylamino)-5-(4-((4-methylpiperazin-1-yl)methyl)phenyl)-7H-pyrrolo[2,3-d]pyrimidin-7-yl)cyclohexanol
Description	<p>UNC-2025 is a novel potent and highly orally bioavailable Mer/FLT3 dual inhibitor, capable of inhibiting Mer phosphorylation in vivo, following oral dosing as demonstrated by pharmacodynamic (PD) studies examining phospho-Mer in leukemic blasts from mouse bone marrow. Kinome profiling versus more than 300 kinases in vitro and cellular selectivity assessments demonstrate that UNC-2025 has similar subnanomolar activity against Flt3, an additional important target in acute myelogenous leukemia (AML), with pharmacologically useful selectivity versus other kinases examined.</p>
Pathway	: Membrane Transporter/Ion Channel
Target	: TRP/TRPV Channel
Receptor	: FLT3; AXL; Mer; Tyro3
Solubility	: DMSO : 33.33 mg/mL. 69.92 mM;
SMILES	: <chem>CCCCNc1ncc2c(cnc2n1)[C@H]1CC[C@@H](CC1)Oc1ccc(cc1)CN1CCN(CC1)C.Cl.Cl</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Zhang W, et al. J Med Chem. 2014, 57(16), 7031-7041.

