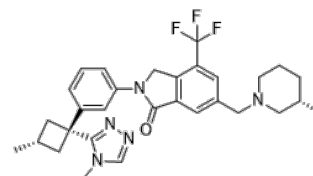


Product Name : NX-1607
Cat. No. : PC-21554
CAS No. : 2573775-59-2
Molecular Formula : C₃₀H₃₄F₃N₅O
Molecular Weight : 537.63
Target : E3 Ubiquitin Ligase
Solubility : 10 mM in DMSO



Biological Activity

Nx-1607 (Nx1607) is a small-molecule inhibitor of the RING-type E3 ubiquitin ligase **Cbl-b** with IC₅₀ of 0.46 nM.

Nx-1607 binds to the TKBD-LHR unit of Cbl-b, locking the protein in an inactive conformation.

Nx-1607 inhibits the interaction between the N-terminal E3 ligase fragment (TKBD-LHR-RING) of Cbl-b and UbcH5B-Ub (E2-Ub) complex in the presence of the Src kinase substrate.

References

Serah W Kimani, et al. *Commun Biol.* 2023 Dec 16;6(1):1272.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com