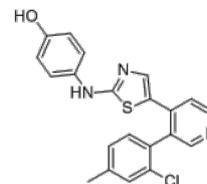


Product Name : CRT-0105950
Cat. No. : PC-70101
CAS No. : 1661845-86-8
Molecular Formula : C₂₁H₁₆ClN₃OS
Molecular Weight : 393.889
Target : LIM Kinase (LIMK)
Solubility : 10 mM in DMSO



Biological Activity

CRT-0105950 (CRT0105950) is a novel potent **LIMK** inhibitor with IC₅₀ of 0.3 nM and 1 nM for LIMK1 and LIMK2, respectively.

CRT-0105950 inhibits cofilin phosphorylation and increase α Tubulin acetylation in cells.

CRT-0105950 shows significant sensitivity against 656 cancer cell lines, and rhabdomyosarcoma, neuroblastoma and kidney cancer cells (mean EC₅₀=19.2 μ M).

References

Mardilovich K, et al. *Oncotarget*. 2015 Nov 17;6(36):38469-86.

Charles MD, et al. *J Med Chem*. 2015 Oct 22;58(20):8309-13.

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

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