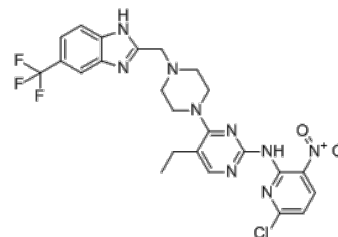


Product Name : S6K2 inhibitor Compound 2
Cat. No. : PC-72701
CAS No. : 3053678-93-3
Molecular Formula : C₂₄H₂₃ClF₃N₉O₂
Molecular Weight : 561.954
Target : Ribosomal S6 Kinase (RSK)
Solubility : 10 mM in DMSO



Biological Activity

S6K2 inhibitor Compound 2 (S6K2-IN-1) is the first potent and highly isoform-specific **S6K2** inhibitor with IC₅₀ of 22 nM, inactive for the closely related isoform S6K1 at 5 μM.

S6K2 inhibitor Compound 2 did not show significant inhibitory activity against MAPKAPK2, MAPKAPK3, FGFR4, and TTK kinases, except for FGFR4 (IC₅₀=216 nM).

References

Stefan Gerstenecker, et al. **Cancers (Basel)**. 2021 Oct 13;13(20):5133.

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

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