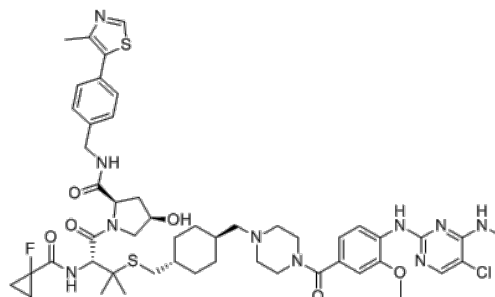


Product Name : XL01126
Cat. No. : PC-49282
CAS No. : 3011029-58-3
Molecular Formula : C₅₀H₆₄ClFN₁₀O₆S₂
Molecular Weight : 1019.694
Target : PROTAC
Solubility : 10 mM in DMSO



Biological Activity

XL01126 (XL 01126) is a fast and potent degrader of **LRRK2** in multiple cell lines with DC50 values of 15-72 nM, Dmax values ranging from 82 to 90%, and degradation half-lives spanning from 0.6 to 2.4 h.

XL01126 exhibits high cell permeability and forms a positively cooperative ternary complex with VHL and LRRK2 ($\alpha = 5.7$), which compensates for a substantial loss of binary binding affinities to VHL and LRRK2.

XL01126 is orally bioavailable (F = 15%) and can penetrate the blood-brain barrier after either oral or parenteral dosing in mice.

XL01126 is a suitable degrader probe to study the noncatalytic and scaffolding functions of LRRK2 in vitro and in vivo.

References

Liu X, et al. *J Am Chem Soc.* 2022 Aug 25. doi: 10.1021/jacs.2c05499.

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

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