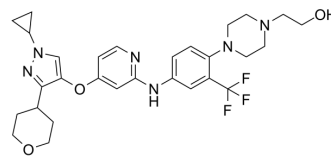


ALK5-IN-9

Cat. No.:	HY-144437
CAS No.:	2489611-06-3
Molecular Formula:	C ₂₉ H ₃₅ F ₃ N ₆ O ₃
Molecular Weight:	572.62
Target:	TGF-β Receptor
Pathway:	TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

ALK5-IN-9 (Compound 8h) is a potent and orally active inhibitor of TGFβRI (ALK5). ALK5-IN-9 inhibits ALK5 autophosphorylation and NIH3T3 cell activity with IC₅₀ values of 25 nM and 74.6 nM, respectively. ALK5-IN-9 also shows favorable pharmacokinetic profile and ameliorated hERG inhibition. ALK5-IN-9 has the potential for the research of cancer disease^[1].

REFERENCES

[1]. Wang Z, et al. Synthesis and biological evaluation of 4-(pyridine-4-oxy)-3-(tetrahydro-2H-pyran-4-yl)-pyrazole derivatives as novel, potent of ALK5 receptor inhibitors. *Bioorg Med Chem Lett.* 2022;61:128552.

Caution: Product has not been fully validated for medical applications. For research use only.

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