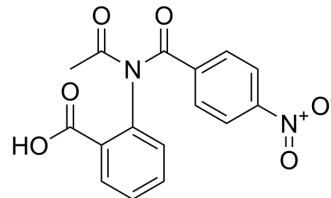


TGFβRI-IN-5

Cat. No.:	HY-147786
CAS No.:	2541690-15-5
Molecular Formula:	C ₁₆ H ₁₂ N ₂ O ₆
Molecular Weight:	328.28
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

TGFβRI-IN-5 (Compound 4b) is a potent inhibitor of TGFβRI with an IC₅₀ of 0.08 μM. TGFβRI-IN-5 displays amazing anticancer activity 5–7 times that of reference agent against all the tested cell lines. TGFβRI-IN-5 enhances apoptosis and arrested G2/M phase of cell cycle^[1].

REFERENCES

[1]. Ismail MMF, et al. Design and synthesis of novel tranilast analogs: Docking, antiproliferative evaluation and in-silico screening of TGFβR1 inhibitors. Bioorg Chem. 2020;105:104368.

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

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