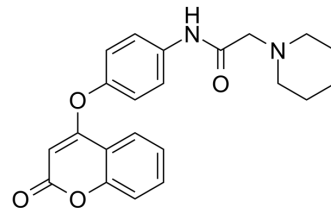


TGFβ-IN-2

Cat. No.:	HY-146434
CAS No.:	2387678-02-4
Molecular Formula:	C ₂₂ H ₂₂ N ₂ O ₄
Molecular Weight:	378.42
Target:	TGF-beta/Smad
Pathway:	Stem Cell/Wnt; TGF-beta/Smad
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

TGFβ-IN-2 (Compound 9d) inhibits TGF-β-induced total collagen accumulation in NRK-49F cells with the IC₅₀ of 4.31 μM. TGFβ-IN-2 suppresses the TGF-β-induced protein expression of COL1A1, α-SMA, and p-Smad3 in vitro. TGFβ-IN-2 can be used as a potential effective compound for anti-fibrosis in vivo by oral administration^[1].

REFERENCES

[1]. Dexin Deng, et al. Synthesis and discovery of new compounds bearing coumarin scaffold for the treatment of pulmonary fibrosis. *Eur J Med Chem.* 2020 Jan 1;185:111790.

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

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