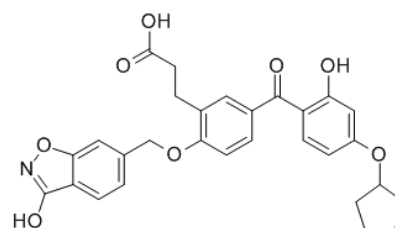


Product Name : T-5224
Cat. No. : PC-42934
CAS No. : 530141-72-1
Molecular Formula : C₂₉H₂₇NO₈
Molecular Weight : 517.5266
Target : c-Fos/AP-1
Solubility : DMSO: ≥ 31 mg/mL



Biological Activity

T-5224 is a small molecule inhibitor of **c-Fos/AP-1** that specifically inhibits the binding of **AP-1** to the AP-1 binding site of the promoter region, specifically inhibits the DNA binding activity of **c-Fos/c-Jun** without affecting other transcription factors.

T-5224 attenuates the gelatinase activity of MMP-2 and -9.

T-5224 inhibits the mRNA expression levels of MMP-1, 3, and 13, and IL-1β, TNF-α and IL-6 in IL-1-stimulated human chondrocytes, significantly inhibits the invasion, migration, and MMP activity of HNSCC cells, prevents lymph node metastasis in an oral cancer model.

T-5224 decreases the release of collagen selectively in SSc fibroblasts, prevents dermal fibrosis in vivo.

References

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Motomura H, et al. *Biochem Biophys Res Commun.* 2018 Mar 4;497(2):756-761.

Kamide D, et al. *Cancer Sci.* 2016 May;107(5):666-73.

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

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