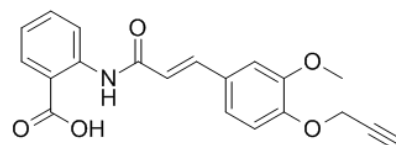


Product Name : FT011
Cat. No. : PC-42176
CAS No. : 1001288-58-9
Molecular Formula : C₂₀H₁₇NO₅
Molecular Weight : 351.3527
Target : TGF beta Receptor (TGFBR)
Solubility : DMSO: ≥ 29 mg/mL



Biological Activity

FT011 (SHP-627) is an anti-fibrotic agent that prevents **TGF-beta**-stimulated production of collagen in cultured renal mesangial cells (55-70% inhibition at 30 uM).

FT011 inhibits both **TGF-β1** and PDGF-BB induced collagen production as well as PDGF-BB-mediated mesangial proliferation, attenuates the decline in GFR, proteinuria and glomerulosclerosis in a robust model of non-diabetic kidney disease.

FT011 attenuates fibrosis and chronic heart failure in experimental diabetic cardiomyopathy.

References

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Zhang Y, et al. *Eur J Heart Fail*. 2012 May;14(5):549-62.

Gilbert RE, et al. *PLoS One*. 2012;7(10):e47160.

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

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