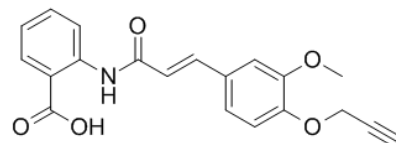


**Product Name** : FT-011  
**Cat. No.** : PC-42176  
**CAS No.** : 1001288-58-9  
**Molecular Formula** : C<sub>20</sub>H<sub>17</sub>NO<sub>5</sub>  
**Molecular Weight** : 351.3527  
**Target** : TGF beta Receptor (TGFBR)  
**Solubility** : DMSO: ≥ 29 mg/mL



## Biological Activity

FT-011 (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 μM).

FT-011 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.

FT-011 attenuates fibrosis and chronic heart failure in experimental diabetic cardiomyopathy.

## References

Zammit SC, et al. *Bioorg Med Chem Lett*. 2009 Dec 15;19(24):7003-6.

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

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

Deliyanti D, et al. *PLoS One*. 2015 Jul 29;10(7):e0134392.

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

E-mail: tech@probechem.com