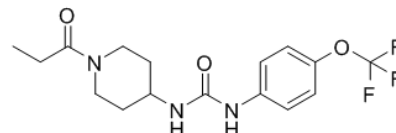


**Product Name** : TPPU  
**Cat. No.** : PC-42350  
**CAS No.** : 1222780-33-7  
**Molecular Formula** : C<sub>16</sub>H<sub>20</sub>F<sub>3</sub>N<sub>3</sub>O<sub>3</sub>  
**Molecular Weight** : 359.3435096  
**Target** : Other Targets  
**Solubility** : DMSO: ≥ 28 mg/mL



### Biological Activity

TPPU is a potent **soluble epoxide hydrolase (sHE)** inhibitor with IC<sub>50</sub> of 37 nM and 3.7 nM for monkey and human sHE, respectively.

TPPU attenuates hepatic fibrosis and endoplasmic reticulum stress induced by carbon tetrachloride in mice.

TPPU significantly decreases not only the percentages but also the proliferative capacity of different populations of cardiac fibroblasts.

TPPU also reduces the migration of fibroblasts into the heart from the bone marrow in vivo.

### References

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Ulu A, et al. *Br J Pharmacol*. 2012 Mar;165(5):1401-12.

Ren Q, et al. *Proc Natl Acad Sci U S A*. 2016 Mar 29;113(13):E1944-52.

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

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