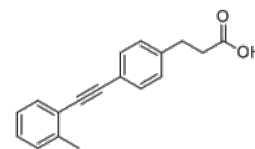


**Product Name** : TUG-424  
**Cat. No.** : PC-20421  
**CAS No.** : 1082058-99-8  
**Molecular Formula** : C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>  
**Molecular Weight** : 264.32  
**Target** : Free Fatty Acid Receptor (FFAR)  
**Solubility** : 10 mM in DMSO



### Biological Activity

TUG-424 (TUG424) is a potent, selective free fatty acid receptor 1 (FFA1, GPR40) agonist with EC<sub>50</sub> of 32 nM, TUG-424 (100 nM) enhances glucose-stimulated insulin secretion from rat INS-1E cells and isolated mouse islets.

### References

Christiansen E, et al. J Med Chem. 2008 Nov 27;51(22):7061-4.  
Moodaley R, et al. Br J Pharmacol. 2017 Dec;174(23):4508-4522.

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

E-mail: tech@probechem.com