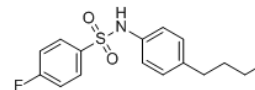


Product Name : DC260126
Cat. No. : PC-70042
CAS No. : 346692-04-4
Molecular Formula : C₁₆H₁₈FNO₂S
Molecular Weight : 307.383
Target : Free Fatty Acid Receptor (FFAR)
Solubility : 10 mM in DMSO



Biological Activity

DC260126 is a potent **GPR40** (FFAR1) agonist with IC₅₀ of 6.28 uM for inhibition of Ca²⁺ stimulated by linoleic acid. DC260126 reduces GTP-loading and ERK1/2 phosphorylation stimulated by linoleic acid in GPR40-CHO cells. DC260126 improves insulin tolerance but not glucose tolerance in obese Zucker rats.

References

- Sun P, et al. *PLoS One*. 2013 Jun 11;8(6):e66744.
Zhang X, et al. *Biomed Pharmacother*. 2010 Nov;64(9):647-51.
Hu H, et al. *Biochem Biophys Res Commun*. 2009 Dec 18;390(3):557-63.

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

E-mail: tech@probechem.com