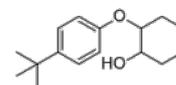


Product Name : tBPC
Cat. No. : PC-61061
CAS No. : 1942-71-8
Molecular Formula : C₁₆H₂₄O₂
Molecular Weight : 248.366
Target : Neuropeptide Y Receptor
Solubility : 10 mM in DMSO



Biological Activity

tBPC is a potent, selective neuropeptide Y (NPY) receptor **Y4R** positive allosteric modulator (EC₅₀=5.1 μM) that potentiates Y4R activation in G-protein signaling and arrestin3 recruitment experiments.

tBPC displays no effect on Y1R, Y2R, and Y5R at 30 μM.

tBPC selectively potentiates Y4R agonism initiated by pancreatic polypeptide (PP) in mouse descending colon mucosa preparations expressing native Y4R.

References

Schubert M, et al. *J Med Chem.* 2017 Sep 14;60(17):7605-7612.

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

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