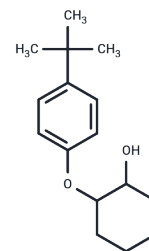


tBPC

## Chemical Properties

CAS No. : 1942-71-8  
 Formula: C<sub>16</sub>H<sub>24</sub>O<sub>2</sub>  
 Molecular Weight: 248.36  
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year  
 Actual storage temperature shall be subject to the COA.



## Biological Description

Description	Positive allosteric modulator of neuropeptide Y receptor 4 (Y4R). Potentiates Y4R response to pancreatic polypeptide (PP), neuropeptide Y (NPY) and peptide YY (PYY) (EC <sub>50</sub> values are 0.03, 0.4 and 0.5 nM respectively). Shows selectivity for Y4R over Y1R, Y2R and Y5R.
Targets(IC <sub>50</sub> )	Others,Neuropeptide Y Receptor

## Solubility Information

Solubility	Ethanol: 24.84 mg/mL (100.02 mM),Sonication is recommended. DMSO: 24.84 mg/mL (100.02 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0264 mL	20.1321 mL	40.2641 mL
5 mM	0.8053 mL	4.0264 mL	8.0528 mL
10 mM	0.4026 mL	2.0132 mL	4.0264 mL
50 mM	0.0805 mL	0.4026 mL	0.8053 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Schubert et al (2017) Identification and characterization of the first selective Y4 receptor positive allosteric modulator. J.Med.Chem. 60 7605 PMID:28795803

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481