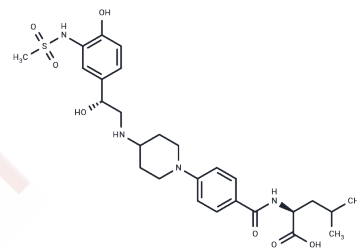


β 3-AR agonist 2

Chemical Properties

CAS No. :	340757-05-3
Formula:	C27H38N4O7S
Molecular Weight:	562.68
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	β 3-AR agonist 2 is a potent and selective agonist of β 3-adrenergic receptor (β 3-AR with an EC50 of 8 nM).
Targets(IC50)	Others, Adrenergic Receptor
In vitro	β 3-AR agonist 2 is found to be potent and selective at the β 3 receptor, nearly completely abolishes intrinsic activity at either the β 1 or β 2 receptor.
In vivo	β 3-AR agonist 2 acts as a potential drug for the treatment of human obesity and type II diabetes. β 3-AR agonist 2 has significant thermogenesis effects on human β 3-adrenergic receptor transgenic mice.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7772 mL	8.886 mL	17.7721 mL
5 mM	0.3554 mL	1.7772 mL	3.5544 mL
10 mM	0.1777 mL	0.8886 mL	1.7772 mL
50 mM	0.0355 mL	0.1777 mL	0.3554 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

Hu B, et al. (4-Piperidin-1-yl)phenyl amides: potent and selective human beta(3) agonists. J Med Chem. 2001 Apr 26;44(9):1456-66.

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