

Product Data Sheet

Product Name: β 3-AR agonist 2

Cat. No.: GC31573

Chemical Properties

Cas. No. 340757-05-3

SMILES CC(C)C[C@@H](C(O)=O)NC(C1=CC=C(N2CCC(NC[C@H](O)C3=CC=C(O)C(NS(=O)(=O)C3)=C3)CC2)C=C1)=O

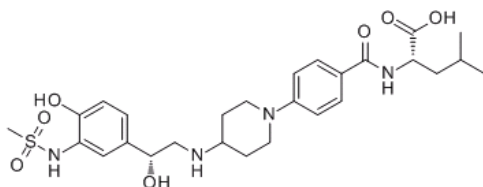
Formula $C_{27}H_{38}N_4O_7S$ M.Wt 562.68

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



Background

β 3-AR agonist 2 is a potent and selective β 3-adrenergic receptor (β 3-AR) agonist with an EC_{50} of 8 nM.

β 3-AR agonist 2 (Compound 26e) 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[1].

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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β 3-AR agonist 2 (Compound 26e) has significant thermogenesis effects on human β 3-adrenergic receptor transgenic mice. β 3-AR agonist 2 acts as a potential drug for the treatment of human obesity and type II diabetes[1].

[1]. 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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