
Product Data Sheet

Product Name: TC-E 5007

Cat. No.: GC50121

Chemical Properties

Cas. No.

SMILES CC[C@@H](C)[C@H](N)C(N1CC(C=CC=C2)=C2C1)=O.ClFormula $C_{14}H_{20}N_2O.HCl$ M.Wt 268.78

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

Irreversible and selective dipeptidyl peptidase 8 and 9 (DPP-8/9) inhibitor (IC₅₀ values are 145 and 242 nM respectively). Exhibits selectivity for DPP-8/9 over DPP-IV, DPP-2 and FAP.

Lankas et al (2005) Dipeptidyl peptidase IV inhibition for the treatment of type 2 diabetes: potential importance of selectivity over dipeptidyl peptidases 8 and 9. Diabetes 54 2988 PMID:16186403 | Wu et al (2009) Biochemistry, pharmacokinetics, and toxicology of a potent and selective DPP8/9 inhibitor. Biochem.Pharmacol. 78 203 PMID:19439267 | Van der Veken et al (2007) Irreversible inhibition of dipeptidyl peptidase 8 by dipeptide-derived diaryl phosphonates. J.Med.Chem. 50 5568 PMID:17958345

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
