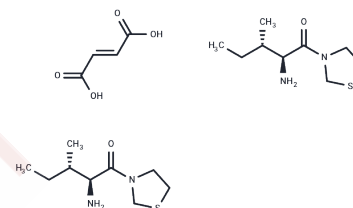


P32/98 hemifumarate

Chemical Properties

CAS No. :	251572-86-8
Formula:	C22H40N4O6S2
Molecular Weight:	520.71
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	P32/98 hemifumarate is a dipeptidyl peptidase IV (DPP4) inhibitor with hypoglycemic properties that improves insulin sensitivity and β -cell responsiveness in the Zucker diabetic rat model, and may be useful in studies of type 2 diabetes and colitis.
Targets(IC50)	Proteasome,DPP-4
In vitro	In porcine proximal tubular cells,P32/98 (hemifumarate) (10 μ M; 96 hours) showed no cytotoxicity[2].
In vivo	In Zucker diabetic fatty rats, P32/98 (hemifumarate) (25 mg/kg; oral gavage; once daily) significantly improved glucose tolerance[3].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9205 mL	9.6023 mL	19.2045 mL
5 mM	0.3841 mL	1.9205 mL	3.8409 mL
10 mM	0.192 mL	0.9602 mL	1.9205 mL
50 mM	0.0384 mL	0.192 mL	0.3841 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

Augstein P, et al. Efficacy of the dipeptidyl peptidase IV inhibitor isoleucine thiazolidide (P32/98) in fatty Zucker rats with incipient and manifest impaired glucose tolerance. *Diabetes Obes Metab.* 2008;10(10):850-861.

Schlatter P, et al. Glucagon-like peptide 1 receptor expression in primary porcine proximal tubular cells. *Regul Pept.* 2007 Jun 7;141(1-3):120-8.

Wargent E, et al. Improvement of glucose tolerance in Zucker diabetic fatty rats by long-term treatment with the dipeptidyl peptidase inhibitor P32/98: comparison with and combination with rosiglitazone. *Diabetes Obes Metab.* 2005;7(2):170-181.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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