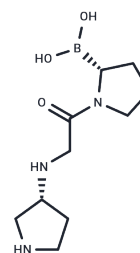


Dutogliptin

Chemical Properties

CAS No. : 852329-66-9
Formula: C₁₀H₂₀BN₃O₃
Molecular Weight: 241.1
Appearance: no data available
Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Dutogliptin (PHX-1149 free base) is an oral, effective and selective dipeptide-peptide-4 (DPP4) inhibitor for the treatment of type 2 diabetes mellitus.
Targets(IC50)	Others
In vivo	Dutogliptin is metabolically stable and does not inhibit or induce the activity of major CYP450s. Dutogliptin exhibits low plasma protein binding (11%) and is rapidly absorbed with a Tmax of 3-4 h and a half-life of 10-13 h.

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.1477 mL	20.7383 mL	41.4766 mL
5 mM	0.8295 mL	4.1477 mL	8.2953 mL
10 mM	0.4148 mL	2.0738 mL	4.1477 mL
50 mM	0.083 mL	0.4148 mL	0.8295 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.

Reference

Marier JF, et al. Population pharmacokinetic analysis of dutogliptin, a selective dipeptidyl peptidase-4 inhibitor. Clin Pharmacol Drug Dev. 2014 Jul;3(4):297-304.

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Tel: 781-999-4286 E_mail: info@targetmol.com Address: 36 Washington Street, Wellesley Hills, MA 02481