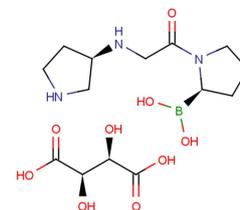


## Dutogliptin tartrate

## Chemical Properties

CAS No.:	890402-81-0
Formula:	C <sub>14</sub> H <sub>26</sub> BN <sub>3</sub> O <sub>9</sub>
Molecular Weight:	391.18
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



## Biological Description

Description	Dutogliptin tartrate is an effective and selective oral dipeptide-peptide-4 (DPP4) inhibitor for the treatment of type 2 diabetes mellitus.
Targets(IC <sub>50</sub> )	DPP4: None
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 T <sub>max</sub> of 3-4 h and a half-life of 10-13 h.

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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### Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.556 mL	12.782 mL	25.564 mL
5 mM	0.511 mL	2.556 mL	5.113 mL
10 mM	0.256 mL	1.278 mL	2.556 mL
50 mM	0.051 mL	0.256 mL	0.511 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. 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.
- Pattzi HM, et al. Dutogliptin, a selective DPP4 inhibitor, improves glycaemic control in patients with type 2 diabetes: a 12-week, double-blind, randomized, placebo-controlled, multicentre trial. Diabetes Obes Metab. 2010 Apr;12(4):348-55.

Inhibitors · Natural Compounds · Compound Libraries

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