



**Catalog # 10-4076**

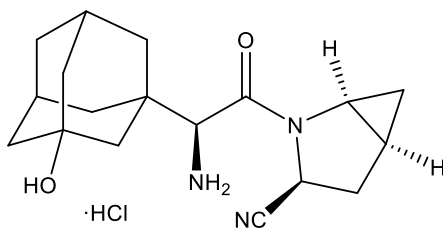
**Saxagliptin HCl**

**CAS# 709031-78-7**

(1S,3S,5S)-2-[(2S)-2-Amino-2-(3-hydroxy-1-adamantyl)acetyl]-2-azabicyclo[3.1.0]hexane-3-carbonitrile hydrochloride;

BMS-477118

Lot # FBS2104



Saxagliptin is a clinically useful DPP-IV inhibitor for the treatment of diabetes.<sup>1</sup> Human DPP-IV  $K_i$  = 0.6 nM.<sup>2</sup>

- 1) Tahrani *et al.* (2009) *Saxagliptin: a new DPP-4 inhibitor for the treatment of type 2 diabetes mellitus*; Adv. Ther. **26** 249
- 2) Augeri *et al.* (2005) *Discovery and Preclinical Profile of Saxagliptin (BMS-477118): A Highly Potent, Long-Acting, Orally Active Dipeptidyl Peptidase IV Inhibitor for the Treatment of Type 2 Diabetes*; J. Med. Chem. **48** 5025

#### **PHYSICAL DATA**

Molecular Weight: 416.45  
Molecular Formula:  $C_{18}H_{25}N_3O_2 \cdot HCl$   
Purity: 99% by HPLC  
NMR: (Conforms)  
Solubility: DMSO (20 mg/ml)  
Physical Description: White to off-white solid  
Storage and Stability: Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

**Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.**

Focus Biomolecules LLC 400 Davis Drive, Suite 600 Plymouth Meeting PA 19462

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