

## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Vildagliptin</b> (S)-1-[N-(3-hydroxy-1-adamantyl)glycyl] pyrrolidine-2-carbonitrile; LAF237 C <sub>17</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub> , M.W. 303.4, CAS# [274901-16-5]
<b>PRODUCT NUMBER:</b>	V-2421
<b>LOT NUMBER:</b>	F1248
<b>APPEARANCE:</b>	White powder
<b>SOLUBILITY:</b>	DMSO (45 mg/ml); or DMF (20 mg/ml); ethanol (20 mg/ml)
<b>PURITY (HPLC):</b>	> 98%
<b>NMR:</b>	Conforms
<b>DESCRIPTION:</b>	A potent inhibitor of dipeptidyl peptidase IV (DDP IV), an enzyme that cleaves glucagon-like peptide 1 (GLP-1). Delaying the degradation of GLP-1 extends the action of insulin and suppressing the release of glucagon which results in reduction in elevated blood glucose levels (hyperglycemia). Clinically useful antidiabetic agent. Ameliorates cognitive deficits in streptozotocin-induced Alzheimers disease model. Displays protective effects on β-cells by inhibition of ER stress in a mouse model.
<b>STORAGE &amp; HANDLING:</b>	Store desiccated as supplied at -20°C. Store solutions at -20°C for up to 3 months. <b>HYGROSCOPIC!</b>

CAUTION: For research use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: EV