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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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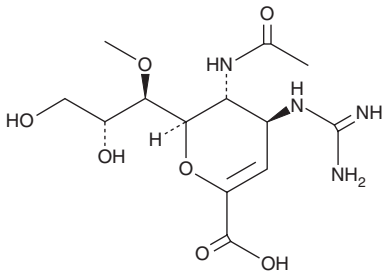
PRODUCT INFORMATION

Laninamivir

Item No. 39139

CAS Registry No.:	203120-17-6
Formal Name:	5-(acetylamino)-4-[(aminoiminomethyl)amino]-2,6-anhydro-3,4,5-trideoxy-7-O-methyl-D-glycero-D-galacto-non-2-enonic acid
Synonym:	R-125489
MF:	$C_{13}H_{22}N_4O_7$
FW:	346.3
Purity:	≥98%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

Laninamivir is supplied as a solid. Aqueous solutions of laninamivir can be prepared by directly dissolving the solid in aqueous buffers. Laninamivir is sparingly soluble (1-10 mg/ml) in PBS (pH 7.2). We do not recommend storing the aqueous solution for more than one day.

Description

Laninamivir is an inhibitor of influenza neuraminidases and an active metabolite of the prodrug laninamivir octanoate (Item No. 40850).[1] It inhibits the neuraminidases from influenza A H1N1, H2N2, and H3N2 strains (mean IC_{50}s = 2.49, 11.4, and 16.7 nM, respectively) and influenza B Victoria and Yamagata strains (mean IC_{50}s = 18.9 nM for both). Intranasal administration of laninamivir (69 µg/kg) increases survival in a mouse model of lethal influenza H1N1 infection. Formulations containing laninamivir have been used in the prevention of influenza.

Reference

1. Yamashita, M., Tomozawa, T., Kakuta, M., *et al.* CS-8958, a prodrug of the new neuraminidase inhibitor R-125489, shows long-acting anti-influenza virus activity. *Antimicrob. Agents Chemother.* **53(1)**, 186-192 (2009).

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