Product Data Sheet

Product Name: Influenza A virus fragment
Cat. No.: GP10128

Chemical Properties

Cas. No.

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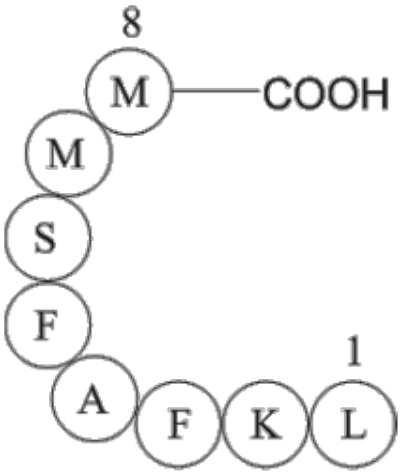
Formula	$C_{46}H_{71}N_9O_{10}S_2$	M.Wt	974.24
Solubility	≥88.7mg/mL in DMSO	Storage	Store at -20°C

General tips: For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.

Shipping Condition: Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Influenza A virus fragment has the RNA sequence of Leu-Lys-Phe-Ala-Phe-Ser-Met-Met. Influenzavirus A is a genus of the Orthomyxoviridae family of viruses. Some isolates of influenza A virus cause severe disease both in domestic poultry and, rarely, in humans. Influenza A viruses are negative-sense, single-stranded, segmented RNA viruses. The several subtypes are labeled according to an H number (for the type of hemagglutinin) and an N number (for the type of neuraminidase).

Caution: Product has not been fully validated for medical applications. For research use only.
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The Influenza A virus genome is contained on eight single (non-paired) RNA strands that code for eleven proteins (HA, NA, NP, M1, M2, NS1, NEP, PA, PB1, PB1-F2, PB2).

References:

1. "Avian influenza (" bird flu") ´ Fact sheet". WHO.
2. "Unique new flu virus found in bats". NHS Choices. 1 March 2012. Retrieved 16 May 2012.
3. Gewin, V. (2012). "Bats harbour influenza". Nature.
4. Tong, S.; Li, Y.; Rivailler, P.; Conrardy, C.; Castillo, D. A. A.; Chen, L. -M.; Recuenco, S.; Ellison, J. A. et al. (2012). "A distinct lineage of influenza a virus from bats". Proceedings of the National Academy of Sciences.
5. MicrobiologyBytes: Virology: Orthomyxoviruses
6. Subbarao, K.; Joseph, T. (2007). ※Scientific barriers to developing vaccines against avian influenza viruses§. Nature Reviews Immunology 7, 267-278.

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