

## NEU3-IN-1

## Chemical Properties

CAS No. :

Formula: C<sub>24</sub>H<sub>26</sub>N<sub>2</sub>O<sub>9</sub>

Molecular Weight: 486.47

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

## Biological Description

Description	NEU3-IN-2 (compound 963), a derivative of 2-deoxy-2,3-didehydro-N-acetylneuraminic acid (DANA) and a C9 biphenylcarbamate, functions as an inhibitor of NEU3, a human neuraminidase with four isozymes. This compound exhibits inhibitory activity with a $K_i$ of 0.12 $\mu$ M and an $IC_{50}$ of 0.31 $\mu$ M. It serves as a crucial tool in the exploration of NEU3 isozyme functionality. Additionally, its analogs, featuring an amide and a triazole linker, show selectivity towards NEU1 and NEU4 isozymes, respectively.
Targets( $IC_{50}$ )	Others, Influenza Virus

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0556 mL	10.2781 mL	20.5563 mL
5 mM	0.4111 mL	2.0556 mL	4.1113 mL
10 mM	0.2056 mL	1.0278 mL	2.0556 mL
50 mM	0.0411 mL	0.2056 mL	0.4111 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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