

## Stromemycin

## Chemical Properties

CAS No. :	345295-46-7
Formula:	C <sub>38</sub> H <sub>48</sub> O <sub>12</sub>
Molecular Weight:	696.79
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	Stromemycin is a matriptase inhibitor. On its own, Stromemycin exhibits weak antibacterial activity against Staphylococcus aureus, vancomycin-resistant Enterococcus faecium, and Bacillus subtilis. However, its antibacterial effectiveness significantly increases when used in combination with Compound 5. Additionally, Stromemycin does not show significant cytotoxicity against HCT-116 cells.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4352 mL	7.1758 mL	14.3515 mL
5 mM	0.287 mL	1.4352 mL	2.8703 mL
10 mM	0.1435 mL	0.7176 mL	1.4352 mL
50 mM	0.0287 mL	0.1435 mL	0.287 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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