

## P-gp modulator-7

## Chemical Properties

CAS No. :

Formula: C<sub>36</sub>H<sub>60</sub>N<sub>2</sub>O<sub>5</sub>

Molecular Weight:

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   | P-gp modulator-7 (Compound 9e) is an inhibitor of P-glycoprotein (P-gp). It uniquely occupies the channel entrance of P-gp in a T-shaped conformation, blocking the peristaltic extrusion mechanism of transmembrane domains TM12 and TM9. This action inhibits P-gp from pumping drugs out of cells and reverses multidrug resistance (MDR) in tumor cells. P-gp modulator-7 shows promise for cancer research. |
| Targets(IC50) | P-gp   |

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