

PID-9

Chemical Properties

CAS No. :

Formula: C₅₀H₅₇N₅O₆

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

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|----------------------------|---|
| Description | PID-9 is a P-glycoprotein inhibitor with activity to reverse multidrug resistance (MDR) with an IC ₅₀ of 0.1338 μM, and it exhibits low toxicity. It inhibits the transport function of P-gp without reducing P-gp expression. |
| Targets(IC ₅₀) | P-gp |
| In vitro | PID-9 (2.5 μM) enhances intracellular accumulation of doxorubicin (10 μM) in drug-resistant SW620/AD300 cells and promotes doxorubicin-induced apoptosis. |

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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