

<b>Product Name</b>	: Ro 90-7501
<b>Synonyms</b>	: —
<b>Cat No.</b>	: M33482
<b>CAS Number</b>	: 293762-45-5
<b>Molecular Formula</b>	: C <sub>20</sub> H <sub>16</sub> N <sub>6</sub>
<b>Formula Weight</b>	: 340.38
<b>Chemical Name</b>	: —
<b>Description</b>	<p>Ro 90-7501 is an amyloid β<sub>42</sub> (Aβ<sub>42</sub>) fibril assembly inhibitor that reduces Aβ<sub>42</sub>-induced cytotoxicity (EC<sub>50</sub> of 2 μM). Ro 90-7501 inhibits ATM phosphorylation and DNA repair. RO 90-7501 selectively enhances toll-like receptor 3 (TLR3) and RIG-I-like receptor (RLR) ligand-induced IFN-β gene expression and antiviral response. Ro 90-7501 also inhibits protein phosphatase 5 (PP5) in a TPR-dependent manner. Ro 90-7501 has significant radiosensitizing effects on cervical cancer cells.</p>
<b>Pathway</b>	: Cell Cycle/DNA Damage
<b>Target</b>	: ATM/ATR
<b>Receptor</b>	: ATM/ATR   Apoptosis   Phosphatase   Gamma-secretase
<b>Solubility</b>	: In Vitro: ?DMSO : 41.67 mg/mL (122.42 mM; Ultrasonic )
<b>SMILES</b>	: <chem>NC1=CC=C(C=C1)C1=NC2=C(N1)C=C(C=C2)C1=NC2=C(N1)C=C(N)C=C2</chem>
<b>Storage</b>	: (-20°C)
<b>Stability</b>	: ≥ 2 years
<b>Reference</b>	:

1. Tamari K, et al. Ro 90-7501 Is a Novel Radiosensitizer for Cervical Cancer Cells that Inhibits ATM Phosphorylation. Anticancer Res. 2019 Sep;39(9):4805-4810.?