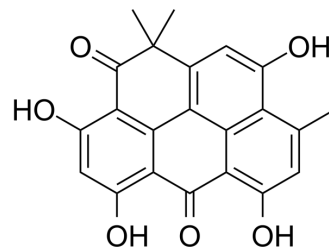


## Resistomycin

Cat. No.:	HY-N10449
CAS No.:	20004-62-0
Molecular Formula:	C <sub>22</sub> H <sub>16</sub> O <sub>6</sub>
Molecular Weight:	376.36
Target:	Antibiotic; Apoptosis; Bacterial
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Resistomycin, a pentacyclic polyketide antibiotic, possesses anticancer activity and induces apoptosis <sup>[1][2][3][4]</sup> .
<b>In Vitro</b>	<p>Resistomycin attenuates triple-negative breast cancer progression by inhibiting E3 ligase Pellino-1 and inducing SNAIL/SLUG degradation<sup>[1]</sup>.</p> <p>Resistomycin displays a high affinity for GST-Pellino-1 (<math>K_D = 2.58 \mu\text{M}</math>) as indicated by surface plasmon resonance<sup>[1]</sup>.</p> <p>Resistomycin treatment reduced the expression of SNAIL and SLUG in TNBC cells<sup>[1]</sup>.</p> <p>Resistomycin induced apoptosis and cycle arrest in human hepatocellular carcinoma cells by activating p38 MAPK pathway in vitro and in vivo<sup>[3]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

**Caution: Product has not been fully validated for medical applications. For research use only.**

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