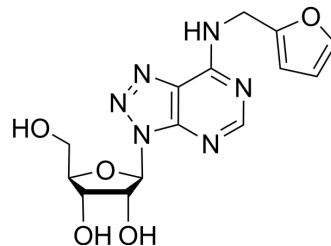


## 8-Azakinetin riboside

Cat. No.:	HY-163330
CAS No.:	2347524-00-7
Molecular Formula:	C <sub>14</sub> H <sub>16</sub> N <sub>6</sub> O <sub>5</sub>
Molecular Weight:	348
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	8-Azakinetin riboside is a structural analog of kinetin riboside. Azakinetin riboside shows cytotoxic activity <sup>[1]</sup> .								
In Vitro	<p>Azakinetin riboside (compound 7) (0-100 μM; 24, 48, 72 h) shows cytotoxic activity for HeLaWT, MCF7, Caco-2, OVCAR-3, MIAPaCa-2, MRC-5 cells<sup>[1]</sup>.</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Cytotoxicity Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>HeLaWT, MCF7, Caco-2, OVCAR-3, MIAPaCa-2, MRC-5 cells</td> </tr> <tr> <td>Concentration:</td> <td>0-100 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>24, 48, 72 h</td> </tr> <tr> <td>Result:</td> <td>Showned cytotoxic activity for HeLaWT, MCF7, Caco-2, OVCAR-3, MIAPaCa-2, MRC-5 cells with IC<sub>50</sub>s of &gt;100, 27, 25, &gt;100, &gt;100, &gt;100 μM at 24 h, 14.5, 4.3, 18.7, 76, 2.8, 11.7 at 48 h, 4.6, 3.8, 11.5, 1.1, 1.1, 4.6 μM at 72 h, respectively.</td> </tr> </table>	Cell Line:	HeLaWT, MCF7, Caco-2, OVCAR-3, MIAPaCa-2, MRC-5 cells	Concentration:	0-100 μM	Incubation Time:	24, 48, 72 h	Result:	Showned cytotoxic activity for HeLaWT, MCF7, Caco-2, OVCAR-3, MIAPaCa-2, MRC-5 cells with IC <sub>50</sub> s of >100, 27, 25, >100, >100, >100 μM at 24 h, 14.5, 4.3, 18.7, 76, 2.8, 11.7 at 48 h, 4.6, 3.8, 11.5, 1.1, 1.1, 4.6 μM at 72 h, respectively.
Cell Line:	HeLaWT, MCF7, Caco-2, OVCAR-3, MIAPaCa-2, MRC-5 cells								
Concentration:	0-100 μM								
Incubation Time:	24, 48, 72 h								
Result:	Showned cytotoxic activity for HeLaWT, MCF7, Caco-2, OVCAR-3, MIAPaCa-2, MRC-5 cells with IC <sub>50</sub> s of >100, 27, 25, >100, >100, >100 μM at 24 h, 14.5, 4.3, 18.7, 76, 2.8, 11.7 at 48 h, 4.6, 3.8, 11.5, 1.1, 1.1, 4.6 μM at 72 h, respectively.								

### REFERENCES

[1]. Totori E, et al. Cytotoxic effects of kinetin riboside and its selected analogues on cancer cell lines. *Bioorg Med Chem Lett*. 2024 Mar 1;100:129628.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA