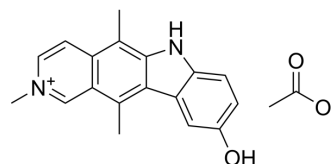


## Elliptinium acetate

Cat. No.:	HY-16189
CAS No.:	58337-35-2
Molecular Formula:	C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	336.38
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Elliptinium acetate (NSC 264137) is a DNA intercalating agent that is highly cytotoxic to L1 210 cells and covalently binds to nucleic acids from L1210 cells. Elliptinium acetate can be used in cancer research, particularly in metastatic breast cancer <sup>[1]</sup> [2].								
<b>IC<sub>50</sub> &amp; Target</b>	Nucleic acids <sup>[1]</sup> [2].								
<b>In Vitro</b>	<p>Elliptinium (0.35 μM; 1 h) (9-OH-NME3) shows highly stable covalent bonding to nucleic acids of L1210 cells<sup>[1]</sup>. MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Cell Viability Assay<sup>[1]</sup></p> <table border="1"> <tr> <td>Cell Line:</td> <td>L1 210 cells</td> </tr> <tr> <td>Concentration:</td> <td>0.35 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>1 h</td> </tr> <tr> <td>Result:</td> <td>Exhibited highly stable covalent bonding to DNA and RNA. Showed no reversal of binding as cells went on replicating during a 40-h period.</td> </tr> </table>	Cell Line:	L1 210 cells	Concentration:	0.35 μM	Incubation Time:	1 h	Result:	Exhibited highly stable covalent bonding to DNA and RNA. Showed no reversal of binding as cells went on replicating during a 40-h period.
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### REFERENCES

[1]. Dugue B, et al. Covalent binding of elliptinium acetate (NSC 264137) to nucleic acids of L1210 cells in culture. *Cancer Res.* 1986 Aug;46(8):3828-33.

[2]. Arteaga CL, et al. Elliptinium, a DNA intercalating agent with broad antitumor activity in a human tumor cloning system. *Eur J Cancer Clin Oncol.* 1987 Nov;23(11):1621-6.

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

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